State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
3911 Fish Hatchery Road
Fitchburg WI 53711-5397

Tony Evers, Governor
Preston D. Cole, Secretary
Telephone 608-266-2621
Toll Free 1-888-936-7463
TTY Access via relay - 711

January 19, 2021

Mr. Robert Hassler
910 Mayer LLC
15 Reservoir Road
White Plains, NY 10603

KEEP THIS DOCUMENT WITH YOUR PROPERTY RECORDS

SUBJECT: Final Case Closure with Continuing Obligations
Oscar Mayer Former Filling Station East, 910 Oscar Avenue, Madison, WI
DNR BRRTS Activity # 02-13-580722

Dear Mr. Hassler:

The Department of Natural Resources (DNR) considers the Oscar Mayer Former Filling Station East site closed, with continuing obligations. The Closure determination relates to petroleum contamination found to be present in the soil and groundwater during the site investigation. No further investigation or remediation is required at this time. However, you, future property owners, and occupants of the property must comply with the continuing obligations as explained in the conditions of closure in this letter. Read this letter closely to ensure that you comply with all conditions and other on-going requirements. Provide this letter and any attachments listed at the end of this letter to anyone who purchases, rents or leases this property from you.

This final closure decision is based on the correspondence and data provided and is issued under chs. NR 726 and 727, Wis. Adm. Code. The South-Central Region (SCR) Closure Committee reviewed the request for closure on May 21, 2020. The DNR Closure Committee reviewed this environmental remediation case for compliance with state laws and standards to maintain consistency in the closure of these cases. A request for remaining actions needed was issued by the DNR on May 27, 2020, and documentation that the conditions in that letter were met was received on August 11, 2020.

The site was occupied by a combination of residential and commercial properties prior to 1970. Three gasoline filling/service stations were located on the site between at least 1958 and 1967. The area was redeveloped when Packers Avenue was expanded and site buildings were razed. The areas were paved and used as parking lots. From 1970 to present the site was paved and used as employee parking lots. The conditions of closure and continuing obligations required were based on the property being used for commercial/ industrial purposes.

Continuing Obligations

The continuing obligations for this site are summarized below. Further details on actions required are found in the section Closure Conditions.

- Groundwater contamination is present at or above ch. NR 140, Wis. Adm. Code enforcement standards.
- Residual soil contamination exists that must be properly managed should it be excavated or removed.

- Pavement, an engineered cover or a soil cover must be maintained over contaminated soil and the DNR must be notified and approve any changes to this barrier.
- Remaining contamination could result in vapor intrusion if future construction activities occur. Future construction includes expansion or partial removal of current buildings as well as construction of new buildings. Vapor control technologies will be required for occupied buildings, unless the property owner assesses the potential for vapor intrusion and the DNR agrees that vapor control technologies are not needed.

The DNR fact sheet "Continuing Obligations for Environmental Protection," RR-819, helps to explain a property owner's responsibility for continuing obligations on their property. The fact sheet may be obtained online at dnr.wi.gov and search "RR-819".

DNR Database

This site will be included on the Bureau for Remediation and Redevelopment Tracking System (BRRTS) on the Web (BOTW) online at dnr.wi.gov and search "BOTW", to provide public notice of residual contamination and of any continuing obligations. The site can also be viewed on the Remediation and Redevelopment Sites Map (RRSM), a map view, at dnr.wi.gov and search "RRSM".

The DNR's approval prior to well construction or reconstruction is required in accordance with s. NR 812.09 (4) (w), Wis. Adm. Code. This requirement applies to private drinking water wells and high capacity wells. To obtain approval, complete and submit Form 3300-254 to the DNR Drinking and Groundwater program's regional water supply specialist. This form can be obtained on-line at dnr.wi.gov and search "3300-254".

All site information is also on file at the South Central Regional DNR office, at 3911 Fish Hatchery Road, Fitchburg, Wisconsin. This letter and information that was submitted with your closure request application, including any maintenance plan and maps, can be found as a Portable Document Format (PDF) in BOTW.

Prohibited Activities

Certain activities are prohibited at closed sites because maintenance of a barrier is intended to prevent contact with any remaining contamination. When a barrier is required, the condition of closure requires notification of the DNR before making a change, in order to determine if further action is needed to maintain the protectiveness of the remedy employed. The following activities are prohibited on any portion of the property where pavement is required, as shown on the attached map, Detailed Site Map, Figure D.2., dated 02/14/2020, unless prior written approval has been obtained from the DNR:

- removal of the existing barrier or cover;
- replacement with another barrier or cover;
- excavating or grading of the land surface;
- filling on covered or paved areas;
- plowing for agricultural cultivation;
- construction or placement of a building or other structure;
- changing the use or occupancy of the property to a residential exposure setting, which may include certain uses, such as single or multiple family residences, a school, day care, senior center, hospital, or similar residential exposure settings.

Closure Conditions

Compliance with the requirements of this letter is a responsibility to which you or the current property owner, and any subsequent property owners must adhere. DNR staff will conduct periodic prearranged inspections to ensure that the conditions included in this letter are met. If these requirements are not

followed, the DNR may take enforcement action under s. 292.11, Wis. Stats. to ensure compliance with the specified requirements, limitations or other conditions related to the property.

Send written notifications in accordance with the following requirements to:

Department of Natural Resources
Attn: Remediation and Redevelopment Program Environmental Program Associate
3911 Fish Hatchery Road
Fitchburg, WI 53711

Residual Groundwater Contamination (ch. NR 140, 812, Wis. Adm. Code)
Groundwater contamination greater than enforcement standards is present on this property, as shown on the attached map, Groundwater Contamination – VOCs Figure B.3.b.2., dated 12/31/2019. If you intend to construct a new well, or reconstruct an existing well, you'll need prior DNR approval.

Residual Soil Contamination (ch. NR 718, chs. 500 to 536, Wis. Adm. Code or ch. 289, Wis. Stats.)
Soil contamination remains in the area as indicated on the attached maps, Residual Soil Contamination - VOCs Figure B.2.a/b.2., dated 02/13/2020 and Residual Soil Contamination – SVOCs Figure B.2.a/b.3. and dated 02/14/2020. If soil in the specific locations described above is excavated in the future, the property owner at the time of excavation must sample and analyze the excavated soil to determine if contamination remains. If sampling confirms that contamination is present, the property owner at the time of excavation will need to determine whether the material is considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable standards and rules. Contaminated soil may be managed in accordance with ch. NR 718, Wis. Adm. Code, with prior DNR approval.

In addition, all current and future owners and occupants of the property need to be aware that excavation of the contaminated soil may pose an inhalation or other direct contact hazard and as a result special precautions may need to be taken to prevent a direct contact health threat to humans.

Cover or Barrier (s. 292.12 (2) (a), Wis. Stats., s. NR 726.15, s. NR 727.07 Wis. Adm. Code)
The pavement, that exists in the location shown on the attached map, Detailed Site Map, Figure D.2., dated 02/14/2020, shall be maintained in compliance with the attached maintenance plan, dated 02/14/2020, in order to minimize the infiltration of water and prevent additional groundwater contamination that would violate the groundwater quality standards in ch. NR 140, Wis. Adm. Code, and to prevent direct contact with residual soil contamination that might otherwise pose a threat to human health.

The cover approved for this closure was designed to be protective for a commercial or industrial use setting. Before using the property for residential purposes, you must notify the DNR at least 45 days before taking an action, to determine if additional response actions are warranted.

A request may be made to modify or replace a cover or barrier. Before removing or replacing the cover, you must notify the DNR at least 45 days before taking an action. The replacement or modified cover or barrier must be protective of the revised use of the property and must be approved in writing by the DNR prior to implementation. A cover or barrier for industrial land uses, or certain types of commercial land uses may not be protective if the use of the property were to change such that a residential exposure would apply. This may include, but is not limited to, single or multiple family residences, a school, day care, senior center, hospital or similar settings. In addition, a cover or barrier for multi-family residential housing use may not be appropriate for use at a single-family residence.

The attached maintenance plan and inspection log (DNR form 4400-305) are to be kept up-to-date. Inspections shall be conducted annually, in accordance with the attached maintenance plan. Submit the inspection log to the DNR only upon request.

Vapor Mitigation or Evaluation (s.292.12(2), Wis. Stats., s.NR 726.15, s. NR 726.07, Wis. Adm. Code)
Vapor intrusion is the movement of vapors coming from volatile chemicals in the soil or groundwater, into buildings where people may breathe air contaminated by the vapors. Vapor mitigation systems are used to interrupt the pathway, thereby reducing or preventing vapors from moving into the building.

Future Concern: Identify general type of contaminants, such as "chlorinated VOCs" that remain in the soil and groundwater as shown in the attached maps at levels that may be of concern for vapor intrusion in the future, depending on the construction and occupancy of a building. Therefore, before a building is constructed and/or an existing building is modified, the property owner must notify the DNR at least 45 days before the change. Vapor control technologies are required for construction of occupied buildings unless the property owner assesses the vapor pathway and the DNR agrees that vapor control technologies are not needed.

Other Closure Information

General Wastewater Permits for Construction Related Dewatering Activities

The DNR's Water Quality Program regulates point source discharges of contaminated water, including discharges to surface waters, storm sewers, pits, or to the ground surface. This includes discharges from construction related dewatering activities, including utility and building construction.

If you or any other person plan to conduct such activities, you or that person must contact that program, and if necessary, apply for the necessary discharge permit. Additional information regarding discharge permits is available at dnr.wi.gov and search "wastewater permits". If residual soil or groundwater contamination is likely to affect water collected in a pit/trench that requires dewatering, a general permit for Discharge of Contaminated Groundwater from Remedial Action Operations may be needed. If water collecting in a pit/trench that requires dewatering is expected to be free of pollutants other than suspended solids and oil and grease, a general permit for Pit/Trench Dewatering may be needed.

In Closing

Be aware that the case may be reopened pursuant to s. NR 727.13, Wis. Adm. Code, for any of the following situations:

- if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety, or welfare or to the environment,
- if the property owner does not comply with the conditions of closure, with any deed restrictions applied to the property, or with a certificate of completion issued under s. 292.15, Wis. Stats., or
- a property owner fails to maintain or comply with a continuing obligation (imposed under this closure approval letter).

The DNR appreciates your efforts to restore the environment at this site. If you have any questions regarding this closure decision or anything outlined in this letter, please contact Wendell Wojner at (608) 219-2309, or at wendell.wojner@wisconsin.gov.

Sincerely,

Steven L. Martin, P.G.
South Central Region Team Supervisor
Remediation and Redevelopment Program
Phone: (608) 293-0112
e-Mail: stevenl.martin@wisconsin.gov

Attachments:

- Groundwater Contamination – VOCs Figure B.3.b. 2., dated 12/31/2019.
- Residual Soil Contamination-VOCs, Figure B.2.a/b.2, dated 02/13/2020
- Residual Soil Contamination-SVOCs, Figure B.2.a/b.3, dated 02/13/2020
- Detailed Site Map, Figure D.2, dated 02/14/2020
- Cover Maintenance Plan, 02/14/2020

cc: David de Courcy-Bower, Environmental Resources Management, Inc. 700 W. Virginia St. Suite 691, Milwaukee, Wisconsin 53204

DRAWN BY: SRV

VOC	FS-MW-03 µg/L
	No Exceedances

FS-MW-03

VOC	FS-MW-05 µg/L
	No Exceedances

VOC	FS-MW-02 µg/L
	No Exceedances

FS-MW-02

SB-63

SB-62

SB-9

SB-8

FS-MW-04

FS-MW-05

SB-61

SB-7

SB-60

VOC	FS-MW-01 µg/L
Trichloroethene	*0.51 J*
Vinyl Chloride	***1.8***

FS-MW-01

VOC	FS-MW-04 µg/L
Benzene	*1.2*

SB-59

FS-MW-06

SB-6

VOC	FS-MW-06 µg/L
Benzene	***9.0***

SB-5

FS-MW-07

SB-4

SB-58

SB-57

FS-MW-08

VOC	FS-MW-07 µg/L
Toluene	No Exceedances

VOC	FS-MW-08 µg/L
	No Exceedances

VOC	FS-MW-10 µg/L
	No Exceedances

VOC	FS-MW-09 µg/L
	No Exceedances

FS-MW-10

VOC	FS-MW-11 µg/L
Benzene	*2.7*

FS-MW-09

SB-55

FS-MW-11

SB-2

FS-MW-12

SB-3

SB-56

SB-1

SB-54

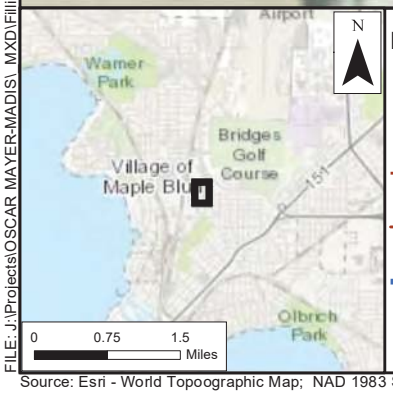
FS-MW-13

VOC	FS-MW-12 µg/L
	No Exceedances

VOC	FS-MW-13 µg/L
	No Exceedances

SB-42

Notes:
1.Only those constituents that exceed standard are presented.
2. µg/L = micrograms per liter
3. Bold value exceeds a chapter NR 140 Enforcement Standard
4. Italic value exceeds a chapter NR 140 Preventive Action Limit
5. J-flag represents a result between the limit of detection and limit of quantitation
6. Solid line exceeds the ch. NR 140 ES
7. Dashed line exceeds the ch. NR 140 PAL
8. Local groundwater flow may be influenced by local boundary conditions such as submerged utility corridors, soil heterogeneity and diverse infiltration rates.
The overall direction of groundwater flow at the Site is toward the south-southeast



Legend

- Soil Boring Location
- Monitoring Well Location
- Exceeds ch. NR 140 Preventive Action Limit
- Exceeds ch. NR 140 Enforcement Standard
- Groundwater Flow Direction (May 2019)
- Historical Site Feature
- Parcel Boundary
- 910 Mayer Properties (Main Site)

N

0 75 150 Feet

Figure B.3.b.2
Groundwater Contamination – VOCs

Filling Station Area
910 Mayer LLC
910 Oscar Avenue
Madison, Wisconsin

Environmental Resources Management
www.erm.com
ERM

Source: Esri - World Topoographic Map; NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet

FILE: J:\Projects\OSCAR MAYER-MADIS\ MXD\FillingStation\FigureB.3.b.2-FillingStationGWVOCS_20190927.mxd | REVISED: 12/31/2019 | SCALE: 1:965 when printed at 11x17

DRAWN BY: SRV

VOC	FS-MW-03 0.5 – 1.5' mg/kg	FS-MW-03 1.5 – 2.5' mg/kg
	No Exceedances	No Exceedances

VOC	SB-9 4 – 5' mg/kg
Naphthalene	**3.18**

VOC	SB-8 10 – 12' mg/kg
	No Exceedances

VOC	FS-MW-05 2.5 – 3.5' mg/kg
	No Exceedances

VOC	FS-MW-02 3.5 – 4.5' mg/kg	FS-MW-02 4.5 – 5.5' mg/kg
	No Exceedances	No Exceedances

VOC	SB-7 10 – 12' mg/kg
Benzene	**0.312**
Ethylbenzene	**18.8**
Naphthalene	**3.5**

VOC	FS-MW-01 3.5 – 4.5' mg/kg	FS-MW-01 4.5 – 5.5' mg/kg
	No Exceedances	No Exceedances

VOC	FS-MW-04 2.5 – 3.5' mg/kg
	No Exceedances

VOC	FS-MW-06 4.5 – 5.5' mg/kg
	No Exceedances

VOC	SB-6 3 – 4' mg/kg
Methylene Chloride	**0.0346**

VOC	FS-MW-07 4.5 – 5.5' mg/kg
	No Exceedances

VOC	SB-4 3 – 4' mg/kg
	No Exceedances

VOC	SB-5 4 – 5' mg/kg
Naphthalene	**6.22**

VOC	FS-MW-08 3.5 – 4.5' mg/kg	FS-MW-08 4.5 – 5.5' mg/kg
	No Exceedances	No Exceedances

VOC	FS-MW-10 3.5 – 4.5' mg/kg	FS-MW-10 4.5 – 5.5' mg/kg
	No Exceedances	No Exceedances

VOC	FS-MW-11 4.5 – 5.5' mg/kg	FS-MW-11 6.5 – 7.5' mg/kg
	No Exceedances	No Exceedances

VOC	SB-2 1 – 1.5' mg/kg
	No Exceedances

VOC	FS-MW-09 5.5 – 6.5' mg/kg	FS-MW-09 6.5 – 7.5' mg/kg
	No Exceedances	No Exceedances

VOC	FS-MW-12 4.5 – 5.5' mg/kg
	No Exceedances

VOC	SB-3 8 – 10' mg/kg
Ethylbenzene	**2.17**
Naphthalene	**5.87**

VOC	SB-1 1 – 1.5' mg/kg
	No Exceedances

VOC	FS-MW-13 4.5 – 5.5' mg/kg	FS-MW-13 5.5 – 6.5' mg/kg
	No Exceedances	No Exceedances

FS-MW-03, FS-MW-02, FS-MW-01, FS-MW-04, FS-MW-05, FS-MW-06, FS-MW-07, FS-MW-08, FS-MW-10, FS-MW-09, FS-MW-11, FS-MW-12, FS-MW-13

SB-63, SB-62, SB-9, SB-8, SB-61, SB-7, SB-60, SB-59, SB-6, SB-5, SB-4, SB-58, SB-57, SB-55, SB-2, SB-3, SB-56, SB-1, SB-54, SB-42

Packers Ave, Roth St, Myrtle St, Coolidge St, 1098, 1048, 1286, 2298, 2201, 113

Legend

- Soil Boring Location
- Monitoring Well Location
- Horizontal Extent of Soil VOCs that Exceed a Soil to Groundwater Pathway RCL
- Historical Site Feature
- Parcel Boundary
- 910 Mayer Properties (Main Site)

Notes:
1.Bold value exceeds the soil to groundwater pathway
2. VOC = Volatile Organic Compound
3. There are no unsaturated soil VOC concentrations that exceed a direct contact RCL

N

0 75 150
Feet

Figure B.2.a/b.2
Residual Soil Contamination – VOCs
Filling Station Area
910 Mayer LLC
910 Oscar Avenue
Madison, Wisconsin

Environmental Resources Management
www.erm.com
ERM

Source: Esri - World Topoographic Map; NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet

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DRAWN BY: SRV

SVOC	FS-MW-03 0.5 - 1.5' mg/kg	FS-MW-03 1.5 - 2.0' mg/kg
	No Exceedances	No Exceedances

SVOC	FS-MW-04 2.5 – 3.5' mg/kg
	No Exceedances

SVOC	SB-9 4 – 5' mg/kg
Naphthalene	**1.96**

SVOC	FS-MW-02 3.5 - 4.5' mg/kg
	No Exceedances

SVOC	FS-MW-05 mg/kg
	No Exceedances

SVOC	FS-MW-01 3.5 - 4.5' mg/kg	FS-MW-01 4.5 - 5.5' mg/kg
	No Exceedances	No Exceedances

SVOC	SB-8 10 - 12' mg/kg
	No Exceedances

SVOC	SB-7 10 - 12' mg/kg
	No Exceedances

SVOC	SB-6 3 - 4' mg/kg
	No Exceedances

SVOC	FS-MW-06 mg/kg
	No Exceedances

SVOC	SB-4 3 - 4' mg/kg
	No Exceedances

SVOC	SB-5 4 - 5' mg/kg
Naphthalene	**2.25**

SVOC	FS-MW-07 4 – 5' mg/kg
	No Exceedances

SVOC	FS-MW-08 3.5 - 4.5' mg/kg	FS-MW-08 4.5 - 5.5' mg/kg
Benzo(b)fluoranthene	**0.512**	No Exceedances
Chrysene	**0.303**	No Exceedances
Benzo(a)pyrene	*0.419*	No Exceedances

SVOC	FS-MW-10 3.5 - 4.5' mg/kg	FS-MW-10 4.5 - 5.5' mg/kg
Benzo(a)pyrene	***0.714***	No Exceedances
Benzo(b)fluoranthene	**0.847**	No Exceedances
Chrysene	**0.493**	No Exceedances

SVOC	SB-2 1 - 1.5 mg/kg
	No Exceedances

SVOC	FS-MW-11 4.5 - 5.5' mg/kg	FS-MW-11 6.5 - 7.5' mg/kg
	No Exceedances	No Exceedances

SVOC	FS-MW-12 4.5 – 5.5' mg/kg
	No Exceedances

SVOC	SB-1 1 - 1.5' mg/kg
	No Exceedances

SVOC	FS-MW-09 5.5 - 6.5' mg/kg	FS-MW-09 6.5 - 7.5' mg/kg
	No Exceedances	No Exceedances

SVOC	SB-3 8 - 10' mg/kg
Naphthalene	**6.77**

SVOC	FS-MW-13 4.5 - 5.5' mg/kg	FS-MW-13 5.5 - 6.5' mg/kg
Benzo(a)pyrene	**0.535**	No Exceedances
Benzo(b)fluoranthene	**0.698**	No Exceedances
Chrysene	**0.434**	No Exceedances

FS-MW-03, FS-MW-04, SB-9, SB-63, SB-62, FS-MW-02, SB-8, FS-MW-04, FS-MW-05, SB-61, SB-7, SB-60, FS-MW-01, SB-59, FS-MW-06, SB-6, SB-5, FS-MW-07, SB-4, SB-58, SB-57, FS-MW-08, SB-55, FS-MW-11, SB-2, FS-MW-12, SB-3, SB-56, SB-1, SB-54, FS-MW-13, FS-MW-09, FS-MW-10, SB-42

Packers Ave, Roth St, Myrtle St, 113, 1286, 2298, 2249, 2201

Legend

- Soil Boring Location
- Monitoring Well Location
- Horizontal Extent of Soil SVOCs that Exceed a Soil to Groundwater Pathway RCL
- Horizontal extent of Soil SVOCs that Exceed a Non-Industrial Direct Contact RCL
- Historical Site Feature
- Parcel Boundary
- 910 Mayer Properties (Main Site)

Notes:
1.Bold value exceeds the soil to groundwater pathway
2. Italic value exceeds the non-industrial direct contact RCL
3. SVOC = Semivolatile Organic Compound

N

0 75 150
Feet

0 0.75 1.5 Miles

Source: Esri - World Topoographic Map; NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet

Figure B.2.a/b.3
Residual Soil Contamination - SVOCs
Filling Station Area
910 Mayer LLC
910 Oscar Avenue
Madison, Wisconsin

Environmental Resources Management
www.erm.com
ERM

FILE: J:\Projects\OSCAR MAYER-MADISI MXD\FillingStation\FigureB.2.a.b.3-FillingStationResidualSoilContaminationSVOCs 20190927.mxd | REVISED: 02/14/2020 | SCALE: 1:965 when printed at 11x17

Cover Maintenance Plan

February 14, 2020

Oscar Mayer Former Filling Station East
910 Oscar Ave
Madison, WI
BRRTS #02-13-580722

Site Definition: The Site consists of two parcels including portions of 910 Oscar Ave and 2150 Commercial AVE. The site boundaries are outlined in Figure B.1.b of the Case Closure Package as well as the figure provided in Section D.2 of this Plan.

Legal Description:

910 Oscar AVE[1]

T8N R10E, SEC 31, PART E 1/2 SW 1/4 & PART NW 1/4 SE 1/4 & PART OUTLOT 1, WOODLAND, FULLY DESC AS FOL: BEG AT THE INTERS OF N LN COMMERCIAL AVE & W LN OF PACKERS AVE, TH N ALG W LN OF PACKERS AVE TO THE N LN OF THE E PART OF ROTH EXTENDED WLY, TH E ALG THE N LN OF ROTH ST TO R/W LN OF HWY 113, TH NLY ALG W LN OF HWY 113 R/W TO A PT ON W LN OF PACKERS AVE 168.9 FT S OF E-W 1/4 LN, TH N 51 DEG 11 MIN W 127.2 172.3 FT TO A PT ON A LN 33 FT S OF E-W 1/4 LN, TH W ON SD LN TO E-W RR ROW LN, TH SLY ALG SD R/W LN TO N LN OF COMMERCIAL AVE, TH E ALG N LN SD AVE TO POB. ALSO VACATED ROTH ST BETW RR R/W & PACKERS AVE, ALSO VACATED PACKERS AVE LYING BETW THE WLY EXTENSION OF THE N LN OF E SEC OF ROTH & THE SLY R/W LN OF ABERG AVE INTERCHANGE, ALSO VACATED MACKIN ST BETW VACATED PACKERS AVE & HWY 113 R/W, ALSO WOODLAND, LOTS 1, 2, 3 & 4 BLK 3 AND ALL OF VACATED ROTH ST BETWEEN OLD PACKERS AVE AND HWY 113, AND EXC PRT OF LOT 1 DESC AS FOL, BEG NW COR LOT 1, TH E 44 FT ON N LOT LN TO E LN SD LOT, TH S 10 FT ALG E LN, TH SWLY TO W LN SD LOT 1, 10 FT N OF SW COR, TH N 102.1 FT ON W LN TO POB, ALSO WOODLAND, LOTS 1, 2, 3, 17, 18 AND 19 BLOCK 1 LYING W OF NEW HWY 113, ALL VACATED MAYER AVE BTWN HWY 133 & PACKERS AVE AND ALL OF VACATED COOLIDGE ST ADJ LOTS 1, 2, AND 3 ON THE N AND PRT OF SEC 31, T8N, R10E, SE 1/4 LYING N OF THE E 16 FT OF PACKERS AVE ADJ ON THE W AND EXTENDING FROM THE C/L OF VAC COOLIDGE ST TO A PT 200 FT N OF N LN COMMERCIAL AVE ADJ ON THE W AND EXTENDING FROM THE C/L OF VAC COOLIDGE ST TO A PT 200 FT N OF N LN COMMERCIAL AVE, AND WOODLAND, LOTS 1, 17, 18, 19 AND 20, BLK 2 AND VACATED 16 FT PACKERS AVE ON THE W BTWN THE N LN COOLIDGE ST EXTENDED AND THE S LN MYRTLE ST EXTENDED, THAT PART WEST OF PACKERS AVE SERVICE ROAD. NOW ASSESSED BY STATE OF WISCO NSIN, FOR ASSMT PURP ONLY THIS PARCEL CARRIES ASSMT FOR ALL OSCAR MAYER PARCELS

[1] Although the Site address is specified in the BRRTS database as 910 Mayer Ave., the Dane County properties database refers to this Site as 910 Oscar Ave.

2150 Commercial AVE

T8N R10E, SEC 31, PART E 1/2 SW 1/4 & PART NW 1/4 SE 1/4 & PART OUTLOT 1, WOODLAND, FULLY DESC AS FOL: BEG AT THE INTERS OF N LN COMMERCIAL AVE & W LN OF PACKERS AVE, TH N ALG W LN OF PACKERS AVE TO THE N LN OF THE E PART OF ROTH EXTENDED WLY, TH E ALG THE N LN OF ROTH ST TO R/W LN OF HWY 113, TH NLY ALG W LN OF HWY 113 R/W TO A PT ON W LN OF PACKERS AVE 168.9 FT S OF E-W 1/4 LN, TH N 51 DEG 11 MIN W 127.2 172.3 FT TO A PT ON A LN 33 FT S OF E-W 1/4 LN, TH W ON SD LN TO E-W RR ROW LN, TH SLY ALG SD R/W LN TO N LN OF COMMERCIAL AVE, TH E ALG N LN SD AVE TO POB. ALSO VACATED ROTH ST BETW RR R/W & PACKERS AVE, ALSO VACATED PACKERS AVE LYING BETW THE WLY EXTENSION OF THE N LN OF E SEC OF ROTH & THE SLY R/W LN OF ABERG AVE INTERCHANGE, ALSO VACATED MACKIN ST BETW VACATED PACKERS AVE & HWY 113 R/W, ALSO WOODLAND, LOTS 1, 2, 3 & 4 BLK 3 AND ALL OF VACATED ROTH ST BETWEEN OLD PACKERS AVE AND HWY 113, AND EXC PRT OF LOT 1 DESC AS FOL, BEG NW COR LOT 1, TH E 44 FT ON N LOT LN TO E LN SD LOT, TH S 10 FT ALG E LN, TH SWLY TO W LN SD LOT 1, 10 FT N OF SW COR, TH N 102.1 FT ON W LN TO POB, ALSO WOODLAND, LOTS 1, 2, 3, 17, 18 AND 19 BLOCK 1 LYING W OF NEW HWY 113, ALL VACATED MAYER AVE BTWN HWY 133 & PACKERS AVE AND ALL OF VACATED COOLIDGE ST ADJ LOTS 1, 2, AND 3 ON THE N AND PRT OF SEC 31, T8N, R10E, SE 1/4 LYING N OF THE E 16 FT OF PACKERS AVE ADJ ON THE W AND EXTENDING FROM THE C/L OF VAC COOLIDGE ST TO A PT 200 FT N OF N LN COMMERCIAL AVE ADJ ON THE W AND EXTENDING FROM THE C/L OF VAC COOLIDGE ST TO A PT 200 FT N OF N LN COMMERCIAL AVE, AND WOODLAND, LOTS 1, 17, 18, 19 AND 20, BLK 2 AND VACATED 16 FT PACKERS AVE ON THE W BTWN THE N LN COOLIDGE ST EXTENDED AND THE S LN MYRTLE ST EXTENDED, THAT PART EAST OF PACKERS AVE SERVICE ROAD. NOW ASSESSED BY STATE OF WISCONSIN

Parcel Numbers: 081031301013 and 081031301089
Zoning "IG" (Industrial General)
FID # 113004650

Introduction

This document is the Maintenance Plan for a cover at the above-referenced property (referred to herein as "Property," "Subject Property" or "Site") in accordance with the requirements of s. NR 724.13(2), Wisconsin Administrative Code. The maintenance activities relate to the existing cover occupying the area over the contaminated soil and/or contaminated groundwater underlying the Site.

More site-specific information about this property may be obtained from the following sources:

- The case file in the DNR's South Central Region office;
- At http://dnr.wi.gov/topic/Brownfields/wrrd.html, which includes:
  - BRRTS on the Web (DNR's internet based data base of contaminated sites) and the GIS Registry PDF file for Site-specific information at the time of closure and on continuing obligations;
  - RR Sites Map/GIS Registry layer for a map view of the Site; and
- The DNR project manager within Dane County for this location.

D.1 Descriptions:

Background

Prior to 1970, the Site was occupied by a combination of residential and commercial properties. Three gasoline filling/service stations were located on the Site between at least 1958 and 1967. From about 1970 to the present, the Site was asphalt paved and served as a parking lot.

Description of Contamination

Soil contaminated by petroleum-related volatile organic compounds (VOCs), polynuclear aromatic hydrocarbons (PAHs) and lead, is located at a depth of 3.5 to 12 feet, depending on location within the Property and contaminant analyzed. Groundwater contaminated by petroleum-related volatile organic compounds (VOCs) and polynuclear aromatic hydrocarbons (PAHs) is located at a depth of 3.3 to 7 feet, depending on location within the property and contaminant analyzed. Based upon the soil and groundwater investigation data summarized in the Case Closure Package, there is no evidence that contamination exceeding a soil and/or groundwater standard extends beyond the Site property boundary with respect to the investigation of the former filling (gasoline) stations.

The extent of this soil and groundwater contamination, and the extent of the capped area which needs to be maintained to prevent direct contact with the contaminated soil and prohibit groundwater infiltration are identified on Figure D2.

Description of the Cover to be Maintained

On the Site the cover to be maintained consists of approximately three to six (3-6) inches of asphalt plus underlying sandy gravel or unpaved clean soils. The existing asphalt parking lot will serve as a cover to prevent direct human contact with residual contamination that might otherwise pose a threat to human health, as well as to prohibit groundwater infiltration. The location of the cover that requires maintenance and inspection is depicted in the figure included in Section D.2 below. Photographs showing the condition and extent of the cover are provided in Section D.3 below.

Cover Purpose

The cover over the contaminated soil serves as a barrier to prevent the non-industrial direct contact pathway being completed, and also to prohibit groundwater infiltration. The existing asphalt paved barrier functions as a cap for the residual soil impacts.

Annual Inspection

The integrity of the asphalt paved surface cover will be inspected once a year, normally in the spring after all snow and ice is gone, for deterioration, cracks and other potential problems that can cause exposure to underlying soils. The inspections will be performed by the property owner or their designated representative. The inspections will be performed to evaluate damage due to settling, exposure to the weather, wear from traffic, increasing age and other factors. Any area where soils have become or are likely to become exposed will be documented.

A log of the inspections and any repairs will be maintained by the property owner and is included as D.4, Form 4400-305, *Continuing Obligations Inspection and Maintenance Log*. The log will include recommendations for necessary repair of any areas where underlying soils are exposed. Once completed, repairs will be documented in the inspection log. A copy of the maintenance plan and inspection log will be kept at the site; or, if there is no acceptable place (for example, no building is present) to keep it at the Site, at the address of the property owner and available for submittal or inspection by Wisconsin Department of Natural Resources (DNR) representatives upon their request.

Maintenance Activities

If problems are noted during the annual inspections or at any other time during the year, repairs will be scheduled as soon as practical. Repairs can include patching and filling or larger resurfacing or construction operations. In the event that necessary maintenance activities expose the underlying soil, the owner must inform maintenance workers of the potential exposure hazard and provide them with appropriate personal protection equipment (PPE). The owner must also sample any soil that is excavated from the Site prior to disposal to ascertain if contamination remains. The soil must be treated, stored, and disposed of by the owner in accordance with applicable local, state, and federal law.

In the event the cover overlying the impacted media are removed or replaced, the replacement cover should prevent the direct contact pathway from being completed and also prohibit groundwater infiltration. Any replacement cover will be subject to the same maintenance and inspection guidelines as outlined in this Maintenance Plan unless indicated otherwise by the DNR or its successor.

The Property owner, in order to maintain the integrity of the cover, will maintain a copy of this Maintenance Plan at the Site and make it available to all interested parties (i.e. on-site employees, contractors, future Property owners, etc.) for viewing.

Prohibition of Activities and Notification of DNR Prior to Actions Affecting a Cover or Cap

The following activities are prohibited on any portion of the property where pavement, a building foundation, soil cover, engineered cap or other barrier is required as shown on the attached map, unless prior written approval has been obtained from the Wisconsin Department of Natural Resources:

1. Removal of the existing cover;
2. Replacement with another cover;
3. Excavating or grading of the land surface;
4. Filling on capped or paved areas;
5. Plowing for agricultural cultivation; or
6. Construction or placement of a building or other structure.

Amendment or Withdrawal of Maintenance Plan

This Maintenance Plan can be amended or withdrawn by the Property owner and its successors with the written approval of DNR.

Contact Information

Site Owner and Operator:

910 Mayer, LLC
5485 County Road V
15 Reservoir Road
White Plains, NY 10603
(914) 719-6076
Contact: Robert Hassler

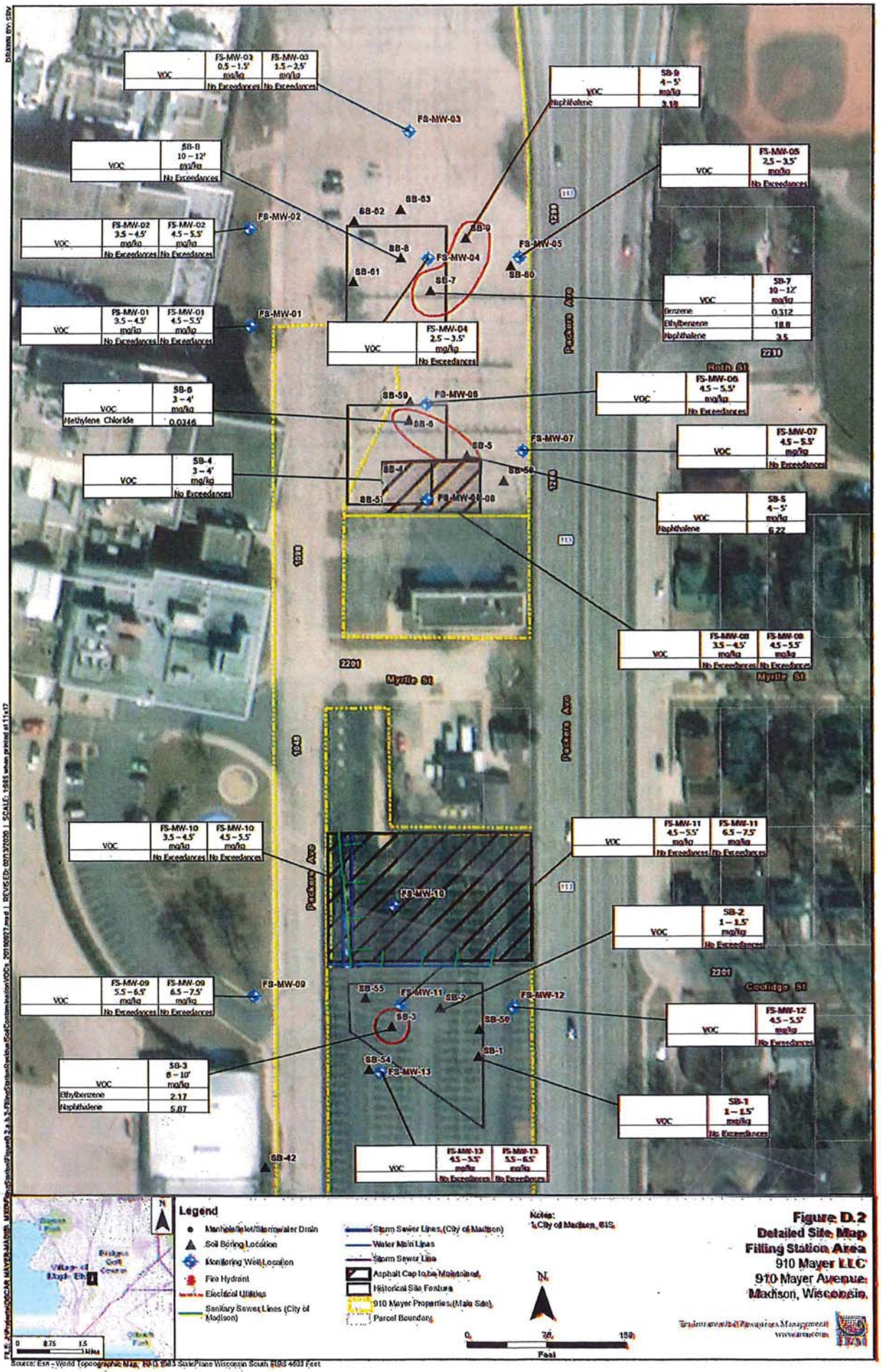
Signature: _____

Consultant:

Environmental Resources Management
700 W. Virginia St. Suite 601
Milwaukee, WI 53204
(414) 977-4700
Contact: David De Courcy-Bower

DNR:

Michael Schmoller
3911 Fish Hatchery Rd.
Fitchburg, WI 53711
(608) 275-3303


VOC | FS-MW-03 0.5 – 1.5' mg/kg | FS-MW-03 1.5 – 2.5' mg/kg
No Exceedances | No Exceedances
FS-MW-03
VOC | SB-9 4 – 5' mg/kg
Naphthalene | 3.18
VOC | SB-8 10 – 12' mg/kg
No Exceedances
VOC | FS-MW-05 2.5 – 3.5' mg/kg
No Exceedances
SB-63
SB-62
SB-9
FS-MW-02
SB-8
FS-MW-04
FS-MW-05
SB-60
SB-61
SB-7
VOC | FS-MW-02 3.5 – 4.5' mg/kg | FS-MW-02 4.5 – 5.5' mg/kg
No Exceedances | No Exceedances
VOC | SB-7 10 – 12' mg/kg
Benzene | 0.312
Ethylbenzene | 18.8
Naphthalene | 3.5
FS-MW-01
VOC | FS-MW-01 3.5 – 4.5' mg/kg | FS-MW-01 4.5 – 5.5' mg/kg
No Exceedances | No Exceedances
VOC | FS-MW-04 2.5 – 3.5' mg/kg
No Exceedances
Packers Ave
2211
Roth St
VOC | SB-6 3 – 4' mg/kg
Methylene Chloride | 0.0246
SB-59
FS-MW-06
VOC | FS-MW-06 4.5 – 5.5' mg/kg
No Exceedances
SB-6
SB-5
FS-MW-07
VOC | FS-MW-07 4.5 – 5.5' mg/kg
No Exceedances
VOC | SB-4 3 – 4' mg/kg
No Exceedances
SB-4
SB-58
SB-51
FS-MW-08
VOC | SB-5 4 – 5' mg/kg
Naphthalene | 6.22
1011
2201
Myrtle St
VOC | FS-MW-08 3.5 – 4.5' mg/kg | FS-MW-08 4.5 – 5.5' mg/kg
No Exceedances | No Exceedances
1040
Packers Ave
VOC | FS-MW-10 3.5 – 4.5' mg/kg | FS-MW-10 4.5 – 5.5' mg/kg
No Exceedances | No Exceedances
VOC | FS-MW-11 4.5 – 5.5' mg/kg | FS-MW-11 6.5 – 7.5' mg/kg
No Exceedances | No Exceedances
FS-MW-10
VOC | SB-2 1 – 1.5' mg/kg
No Exceedances
2201
Coolidge St
VOC | FS-MW-09 5.5 – 6.5' mg/kg | FS-MW-09 6.5 – 7.5' mg/kg
No Exceedances | No Exceedances
FS-MW-09
SB-55
FS-MW-11
SB-2
FS-MW-12
SB-3
SB-56
SB-1
VOC | FS-MW-12 4.5 – 5.5' mg/kg
No Exceedances
VOC | SB-3 6 – 10' mg/kg
Ethylbenzene | 2.17
Naphthalene | 5.87
SB-54
FS-MW-13
VOC | SB-1 1 – 1.5' mg/kg
No Exceedances
SB-42
VOC | FS-MW-13 4.5 – 5.5' mg/kg | FS-MW-13 5.5 – 6.5' mg/kg
No Exceedances | No Exceedances
Legend
Manhole/Inlet/Stormwater Drain
Soil Boring Location
Monitoring Well Location
Fire Hydrant
Electrical Utilities
Sanitary Sewer Lines (City of Madison)
Storm Sewer Lines (City of Madison)
Water Main Lines
Storm Sewer Line
Asphalt Cap to be Maintained
Historical Site Feature
910 Mayer Properties (Male Site)
Parcel Boundary
Notes:
1. City of Madison, GIS
N
0
75
150
Feet
0
0.75
1.5
Miles
Source: Esri - World Topographic Map, NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet
Figure D.2
Detailed Site Map
Filling Station Area
910 Mayer LLC
910 Mayer Avenue
Madison, Wisconsin
Trahan Environmental Engineering Management
www.trahan.com

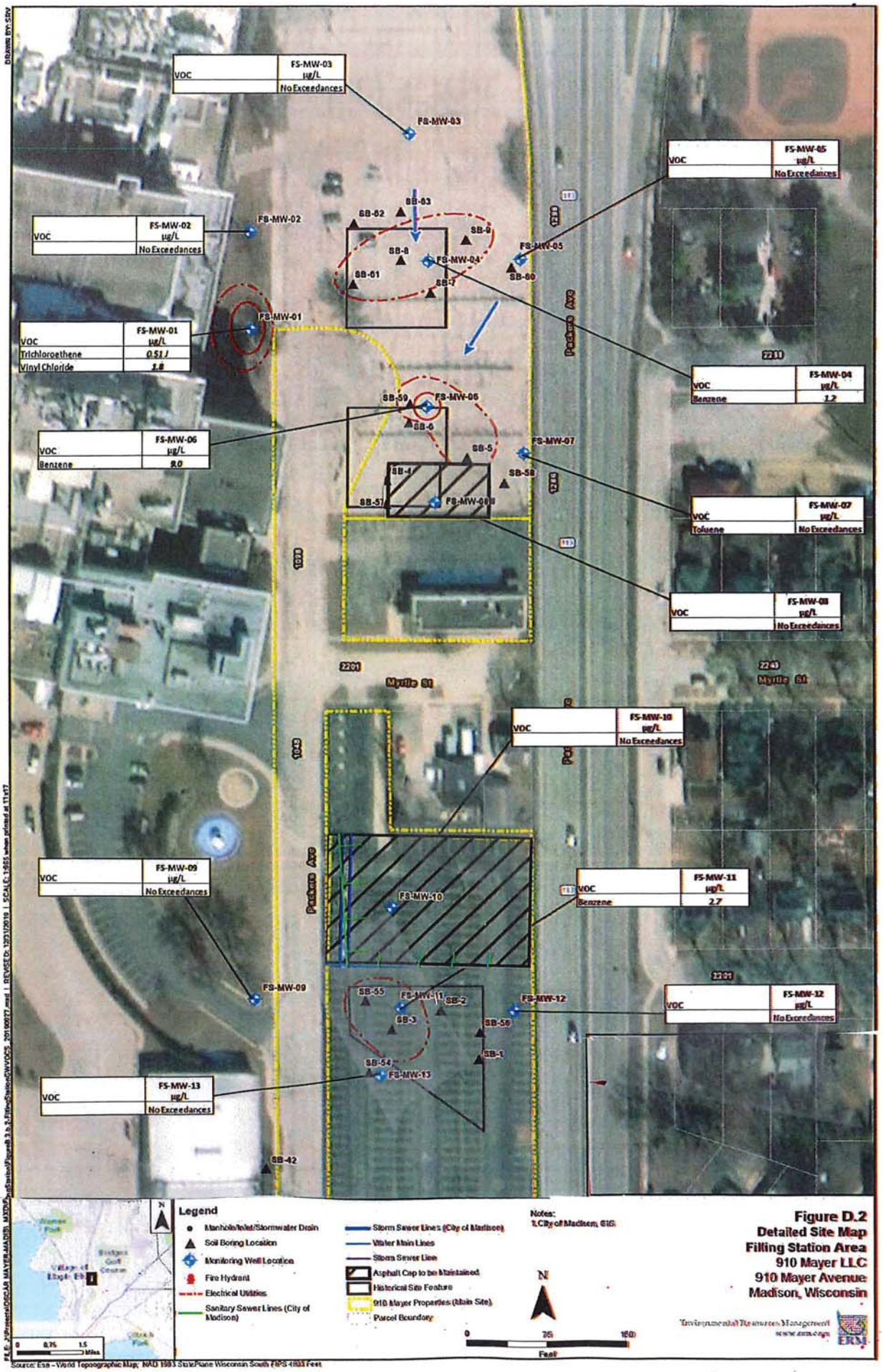


Figure D.2
Detailed Site Map
Filling Station Area
910 Mayer LLC
910 Mayer Avenue
Madison, Wisconsin

Environmental Resources Management
www.erm.com
ERM

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
3911 Fish Hatchery Road
Fitchburg WI 53711-5397

Tony Evers, Governor
Preston D. Cole, Secretary
Telephone 608-266-2621
Toll Free 1-888-936-7463
TTY Access via relay - 711

May 27, 2020

Mr. Robert W. Hassler
910 Mayer LLC
15 Reservoir Road
White Plains, NY 10603

Subject: Remaining Actions Needed for Case Closure under Wis. Adm. Code chs. NR 700-754
Oscar Mayer Former Filling Station East,
DNR BRRTS Activity # 02-13-580722

Dear: Mr. Hassler

On May 21, 2020, the Department of Natural Resources (DNR) reviewed your request for closure of the case described above. The DNR reviews environmental remediation cases for compliance with applicable local, state and federal laws. The following actions are required prior to the DNR granting you case closure in compliance with Wis. Stat. ch. 292 and Wis. Adm. Code chs. NR 700-754. Upon completion of these actions, closure approval will be provided. Pursuant to Wis. Adm. Code § NR 726.09 (2) (g), you are required to provide this information to the DNR within 120 days of the date of this letter.

Remaining Actions Needed
The monitoring wells at the site must be properly filled and sealed in accordance with Wis. Adm. Code ch. NR 141. Documentation of filling and sealing for all wells and boreholes must be submitted to R. Michael Schmoller on DNR Form 3300-005. To download the form, go online at dnr.wi.gov and search "form 3300-005".

Figure D.2 needs to be modified to add the soil contaminant concentrations in addition to the proposed capping locations.

Documentation
When the required actions are completed, submit the appropriate documentation within 120 days of the date of this letter, to verify completion. At that point, your closure request can be approved and your case can be closed.

If any changes to the closure request are still outstanding, submit all changes to the original closure request. Only revisions or updates need to be submitted. The submittal of both an electronic and paper copy are required in accordance with Wis. Adm. Code s. NR 726.09 (1). See *Guidance for Electronic Submittals for the Remediation and Redevelopment Program, RR- 690* for additional information. To view the document online, go to dnr.wi.gov and search "RR 690".

Listing on Database
This site will be listed on the DNR's Bureau for Remediation and Redevelopment Tracking System on the Web (BOTW) and RR Sites Map, to provide public notice of remaining contamination and continuing obligations. The continuing obligations will be specified in the final case closure approval letter sent to you. Information that was submitted with your closure request application will be included on BOTW, located online at dnr.wi.gov and search "BOTW".

In Conclusion
We appreciate your efforts to restore the environment at this site. This remedial action project is nearing completion. I look forward to working with you to complete all remaining actions that are necessary to achieve case closure.

If you have any questions regarding this letter, please contact the project manager, R. Michael Schmoller, at 608-576-0183.

Sincerely,

Steven L.Martin, P.G.
South Central Region Team Supervisor
Remediation & Redevelopment Program

State of Wisconsin
Department of Natural Resources
PO Box 7921, Madison WI 53707-7921
dnr.wi.gov

Case Closure

SUBMIT AS UNBOUND PACKAGE IN THE ORDER SHOWN

Notice: Pursuant to ch. 292, Wis. Stats., and chs. NR 726 and 746, Wis. Adm. Code, this form is required to be completed for case closure requests. The closure of a case means that the Department of Natural Resources (DNR) has determined that no further response is required at that time based on the information that has been submitted to the DNR. All sections of this form must be completed unless otherwise directed by the Department. DNR will consider your request administratively complete when the form and all sections are completed, all attachments are included, and the applicable fees required under ch. NR 749, Wis. Adm. Code, are included, and sent to the proper destinations. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records Law (ss. 19.31 - 19.39, Wis. Stats.). Incomplete forms will be considered "administratively incomplete" and processing of the request will stop until required information is provided.

Site Information

BRRTS No.	VPLE No.		
02-13-580722			
Parcel ID No.			
251/0810-313-0101-3; 251/0810-313-0107-1;			
FID No.	WTM Coordinates X	WTM Coordinates Y	
113004650	572489	293321	
BRRTS Activity (Site) Name	WTM Coordinates Represent: ☐ Source Area ☒ Parcel Center		
Oscar Mayer Former Filling Station East			
Site Address	City	State	ZIP Code
910 Oscar Ave, 2150 Commercial Ave,	Madison	WI	53704
Acres Ready For Use			
58			

Responsible Party (RP) Name			
Robert W. Hassler			
Company Name			
910 Mayer LLC			
Mailing Address	City	State	ZIP Code
15 Reservoir Road	White Plains	NY	10603
Phone Number	Email		
(914) 719-6076	rhassler@reichbrothers.com		

☒ Check here if the RP is the owner of the source property.

Environmental Consultant Name			
David de Courcy-Bower			
Consulting Firm			
Environmental Resources Management, Inc.			
Mailing Address	City	State	ZIP Code
700 W. Virginia St. Suite 601	Milwaukee	WI	53204
Phone Number	Email		
(414) 977-4700	david.decourcybower@erm.com		

Fees and Mailing of Closure Request

1. **Send a copy of page one** of this form and the applicable ch. NR 749, Wis. Adm. Code, fee(s) to the DNR Regional EPA (Environmental Program Associate) at **http://dnr.wi.gov/topic/Brownfields/Contact.html#tabx3**. Check all fees that apply:

   ☒ $1,050 Closure Fee

   ☒ $350 Database Fee for Groundwater or Monitoring Wells (Not Abandoned)

   ☒ $300 Database Fee for Soil

   Total Amount of Payment $ $1,700.00

   ☐ Resubmittal, Fees Previously Paid

2. **Send one paper copy and one e-copy on compact disk of the entire closure package** to the Regional Project Manager assigned to your site. Submit as *unbound, separate documents* in the order and with the titles prescribed by this form. For electronic document submittal requirements, see **http://dnr.wi.gov/files/PDF/pubs/rr/RR690.pdf.**

Site Summary

If any portion of the Site Summary Section is not relevant to the case closure request, you must fully explain the reasons why in the relevant section of the form. All information submitted shall be legible. Providing illegible information will result in a submittal being considered incomplete until corrected.

1. General Site Information and Site History

A. Site Location: Describe the physical location of the site, both generally and specific to its immediate surroundings.
The Site is located in the eastern half of the southwest quarter of Section 31, Township 8N Range 10E in the City of Madison, Wisconsin. The Site is bounded by Commercial Avenue on the south, Packers Avenue Service Road to the West, Packers Avenue/Hwy 113 to the East and Aberg Avenue to the north.

B. Prior and current site usage: Specifically describe the current and historic occupancy and types of use.
Prior to 1970, the site was occupied by a combination of residential and commercial properties. According to city directories, facility maps and aerial photographs, it appears that three gasoline filling/service stations were located on the Site between at least 1958 and 1967. One filling station was located at the intersection of Coolidge Street and Packers Avenue Service Road and identified as a Texaco station. Two additional filling stations were identified, one south and one north of Roth Street at the former intersection of Roth Street and Packers Avenue Service Road. By 1968, Packers Avenue was expanded and relocated to the east. Several structures formerly located on the Site (including the gasoline station(s)) were razed and portions of Roth Street, Myrtle Street, Coolidge Street and Mayer Avenue were abandoned. These areas were paved and used as parking lots. From about 1970 to the present, the Site was asphalt paved and served as a parking lot for Oscar-Mayer employees.

The Site is currently bisected by the cul-de-sac of Myrtle Street, which formerly connected with Myrtle Street to the east of Packers Avenue. A parcel on the north side of Myrtle Street formerly housed the UFCW Local No. 538, the union hall for the Oscar Mayer workers. The property is now known as 2228 Myrtle LLC and is 0.48 acres in size, and this property is also owned by the same entity that owns the parcels that are the subject of this Closure Request. Therefore, for notification purposes, this parcel is considered "on-Site". Two parcels bordering on the south side of Myrtle Street are owned by Simmons and Simmons, LLC totaling 0.33 acres in size.

C. Current zoning (e.g., industrial, commercial, residential) for the site and for neighboring properties, and how verified (Provide documentation in Attachment G).
The Property is currently zoned IG (Industrial - General). Zoning information for the Site and adjoining properties was obtained from the City of Madison and is provided in Attachment F.

D. Describe how and when site contamination was discovered.
A Phase I Environmental Site Assessment (ESA) dated October 2017 was prepared as part of a property transaction identified the three former filling stations as a Recognized Environmental Condition. A Phase II ESA was initiated and included soil and groundwater samples collected in the vicinity of the former filling stations. Results of the soil and groundwater investigation revealed the presence of petroleum-related contamination previously unknown to the property owner. Notification of release was submitted to the WDNR on November 29, 2017.

E. Describe the type(s) and source(s) or suspected source(s) of contamination.
The source(s) of contamination are suspected to be from the former filling station activities that concluded operations in the late 1960's. Constituents include petroleum-related volatile organic compounds (VOCs), polynuclear aromatic hydrocarbons (PAHs) and metals, primarily lead.

F. Other relevant site description information (or enter Not Applicable).
The Site has remained as a parking lot since the late 1960s when redevelopment of the area commenced with the rerouting of Packers Avenue. The parking lot was used by employees of Oscar Mayer and its affiliates.

G. List BRRTS activity/site name and number for BRRTS activities at this source property, including closed cases.
02-13-580722 OSCAR MAYER FORMER FILLING STATION EAST 2017-12-01 0000-00-00 OPEN DNR ERP
02-13-580723 OSCAR MAYER FORMER SPICE ROOM BLDG 43 2017-12-01 0000-00-00 OPEN DNR ERP
02-13-580721 OSCAR MAYER FORMER 1,2-DCA TANK SOUTH 2017-12-01 0000-00-00 OPEN DNR ERP

02-13-000895 OSCAR MAYER INC 1984-02-22 2006-12-07 CLOSED DNR ERP
02-13-221826 OSCAR MAYER LIFT 1999-03-04 1999-05-13 CLOSED DNR ERP
03-13-000053 OSCAR MAYER 1989-02-17 2008-01-23 CLOSED DNR LUST
03-13-001744 OSCAR MAYER FOODS 1992-11-13 1993-08-11 CLOSED DNR LUST
03-13-114831 OSCAR MAYER SITE #3 1996-12-05 2006-05-25 CLOSED DNR LUST
04-13-528788 OSCAR MAYER FOODS CORP 1993-05-15 1993-12-16 CLOSED DNR SPILL
04-13-181521 OSCAR MAYER FOODS CORP 1998-01-15 1998-01-23 CLOSED DNR SPILL
04-13-227043 OSCAR MAYER FOODS CORP 1998-10-22 1998-11-02 CLOSED DNR SPILL
04-13-236542 OSCAR MAYER PLT ON NE SIDE OF MADISON 1999-03-01 1999-03-10 CLOSED DNR SPILL
04-13-217917 OSCAR MAYER FOODS CORP 1999-04-05 1999-04-06 CLOSED DNR SPILL
04-13-241160 OSCAR MAYER FOODS CORP 1999-07-08 1999-07-15 CLOSED DNR SPILL
04-13-230696 OSCAR MAYER FOODS CORP 1999-09-18 1999-09-20 CLOSED DNR SPILL
04-13-245306 OSCAR MAYER FOODS CORP 1999-12-31 1999-01-05 CLOSED DNR SPILL

04-13-248087 OSCAR MAYER FOODS CORP 2000-02-01 2000-02-04 CLOSED DNR SPILL
04-13-248176 OSCAR MAYER FOODS CORP 2000-03-23 2000-03-24 CLOSED DNR SPILL
04-13-264296 OSCAR MAYER FOODS CORP 2000-08-02 2000-08-02 CLOSED DNR SPILL
04-13-271132 OSCAR MAYER FOODS CORP 2000-08-09 2000-08-09 CLOSED DNR SPILL
04-13-270923 OSCAR MAYER FOODS CORP 2000-12-17 2000-12-18 CLOSED DNR SPILL
04-13-262939 OSCAR MAYER FOODS CORP 2001-01-22 2001-01-23 CLOSED DNR SPILL
04-13-385350 OSCAR MAYER FOODS CORP 2001-12-23 2002-01-09 CLOSED DNR SPILL
04-13-391430 OSCAR MAYER FOODS CORP 2002-08-22 2002-09-17 CLOSED DNR SPILL
04-13-529546 OSCAR MAYER FOODS 2004-06-20 2004-06-25 CLOSED DNR SPILL
04-13-529401 OSCAR MAYER FOODS CORP 2004-07-01 2004-07-19 CLOSED DNR SPILL
04-13-550150 KRAFT FOODS - OSCAR MAYER SPILL 2007-08-17 2007-09-11 CLOSED DNR SPILL
04-13-551001 OSCAR MAYER SPILL 2007-12-28 2008-02-26 CLOSED DNR SPILL
04-13-555058 OSCAR MAYER SPILL 2010-01-27 2010-03-11 CLOSED DNR SPILL
04-13-562776 OSCAR MAYER KRAFT FOODS SPILL 2014-10-22 2014-10-27 CLOSED DNR SPILL
04-13-039771 OSCAR MAYER PLT 1984-06-02 1984-06-08 CLOSED DNR SPILL
04-13-227692 OSCAR MAYER PLT 1998-10-22 1998-11-02 CLOSED DNR SPILL
04-13-578986 OSCAR MEYER SPILL 2016-09-07 2017-03-03 CLOSED DNR SPILL

H. List BRRTS activity/site name(s) and number(s) for all properties immediately adjacent to (abutting) this source property.
Other than the activity/site names provided above, there are no BRRTS activity/sites for properties adjacent to or abutting this source property.

2. General Site Conditions

A. Soil/Geology

i. Describe soil type(s) and relevant physical properties, thickness of soil column across the site, vertical and lateral variations in soil types.

According to the United States Department of Agriculture Natural Resources Conservation Service web soil survey data for Dane County, the surface soils in the vicinity of the Site are a combination of Virgil Silt Loam and Colwood Silt Loam and re-worked fill material consisting of sandy loam. The Virgil Silt Loam is described as a Class B soil with moderate infiltration rates, moderately well and well-drained soils with moderately coarse textures. The Colwood Silt Loam is described as a Class B/D soil with a drained/undrained hydrology class of soils that can be drained and are classified as poorly drained. Previous investigations at the Site encountered 0 - 3 ft thickness of fill material overlying deposits including muck, decayed organic material and organic clay soils in the southern portion of the Site and reworked fill overlying a lower asphalt surface in the area of the former filling stations.

ii. Describe the composition, location and lateral extent, and depth of fill or waste deposits on the site.

Based upon the soil boring program conducted during this investigation, fill-related materials were found to depths generally from 0 to 3 feet below ground surface. However, there remains the possibility that reworked in-situ native soil types were disturbed during reconfiguration of the area during reconstruction in the late 1960s.

iii. Describe the depth to bedrock, bedrock type, competency and whether or not it was encountered during the investigation.

The depth to sandstone bedrock is encountered at greater than 230 feet below ground surface. Overlying the bedrock is clay, silt and sand material. Bedrock was not encountered during the investigation of the former filling stations.

iv. Describe the nature and locations of current surface cover(s) across the site (e.g., natural vegetation, landscaped areas, gravel, hard surfaces, and buildings).

Subsequent to the rerouting of Packers Avenue beginning in the late 1960's, the Site was asphalt-paved and used as a parking lot for Oscar Mayer employees. The Property remains an asphalt-covered surface at the time this closure request is submitted.

B. Groundwater

i. Discuss depth to groundwater and piezometric elevations. Describe and explain depth variations, including high and low water table elevation and whether free product affects measurement of water table elevation. Describe the stratigraphic unit(s) where water table was found or which were measured for piezometric levels.

Groundwater was encountered between 3.4 and 7.1 feet below ground surface (ft bgs) in the area of investigations. Shallow groundwater flow is generally to the south or southeast but may be locally influenced by the presence of subsurface utilities. No evidence of free product was encountered during the investigations. The shallow nature of the groundwater table indicates the saturated zone exists in the shallow sands, silty sands and clays.

ii. Discuss groundwater flow direction(s), shallow and deep. Describe and explain flow variations, including fracture flow if present.

Groundwater flow direction in the uppermost saturated zone is generally to the south-southeast. Based upon the shallow nature of the uppermost zone of saturation, groundwater elevations may be influenced locally by buried utility corridors.

Flow direction therefore, may be locally influenced by buried utilities across the site.

iii. Discuss groundwater flow characteristics: hydraulic conductivity, flow rate and permeability, or state why this information was not obtained.

Groundwater flow is inhibited by the low-permeable nature of shallow, subsurface clay deposits. However, where absent, and primarily below the clay is a uniform silty- to fine-sand horizon that has an expected hydraulic conductivity greater than 1.0 E-03 cm/sec (2.8 ft/day). However, gradients are low and therefore groundwater flow rate is expected to be low. The general direction of groundwater flow is toward the south-southeast.

iv. Identify and describe locations/distance of potable and/or municipal wells within 1200 feet of the site. Include general summary of well construction (geology, depth of casing, depth of screened or open interval).

Oscar Mayer formerly operated potable water supply wells on or within 1200 feet of the Site. All of these wells have been abandoned. No other potable and/or municipal wells were identified within 1200 feet of the Site. Supporting information on area water wells is provided in Attachment C.

3. Site Investigation Summary

A. General

i. Provide a brief summary of the site investigation history. Reference previous submittals by name and date. Describe site investigation activities undertaken since the last submittal for this project and attach the appropriate documentation in Attachment C, if not previously provided.

Phase I ESA, October 2017: Three former filling (gasoline) stations were identified as Recognized Environmental Conditions. Submitted to WDNR on 2018-06-22.

Notification For Hazardous Substance Discharge, October 19, 2017 (Resubmitted to WDNR on November 29, 2017 due to error in transmittal). Provided a letter communicating analytical results from a Phase II ESA completed in August/ September 2017. The release was reported to the WDNR related to concentrations of volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs), and lead detected in soil and/or groundwater above WDNR criteria in soil borings installed in the vicinity of three former filling stations located in the East parking lot.

Site Investigation Work Plan - Former Filling Stations. Submitted 2018-03-13, resubmitted 2018-10-10. Provided a summary of the Phase II ESA including boring locations, tabular results, analytical results, soil boring logs, and locations of former filling stations. Proposed installation of 13 soil borings / groundwater monitoring wells to evaluate soil and groundwater conditions.

910 Mayer LLC, Madison, Wisconsin - Site Investigation Data, Submitted 2019-06-17. Provided the results of the soil and groundwater sampling completed per the approved Site Investigation Work Plan - Former Filling Stations. Attachments included boring / monitoring well locations, tabular results, soil boring logs, well construction logs, and analytical results. Permanent monitoring wells, designated FS-MW-1 through FS-MW-13 were installed in April 2019 in order to collect representative samples of groundwater and to establish groundwater flow direction. Preparation of closure documentation was agreed with WDNR in a meeting in July 2019 based on these data.

ii. Identify whether contamination extends beyond the source property boundary, and if so describe the media affected (e.g., soil, groundwater, vapors and/or sediment, etc.), and the vertical and horizontal extent of impacts.

Based upon the soil and groundwater investigation data summarized on Tables 1 and 2, soil figures (B.2), and groundwater figures (B.3), there is no evidence that contamination exceeding a soil and/or groundwater standard extends beyond the Site property boundary with respect to the investigation of the former filling (gasoline) stations. Although Figure B.2.a/b.3 shows a soil criteria exceedance contour that extends into the parcel at 2228 Myrtle Street, there is no evidence that contamination exists at this parcel, and no samples were collected there.. In addition, the owner of the 2228 Myrtle Street parcel is the same owner submitting this closure package. For these reasons, a migration notice is not necessary.

iii. Identify any structural impediments to the completion of site investigation and/or remediation and whether these impediments are on the source property or off the source property. Identify the type and location of any structural impediment (e.g., structure) that also serves as the performance standard barrier for protection of the direct contact or the groundwater pathway.

No structural impediments were identified with respect to site investigation in the filling stations areas.

B. Soil

i. Describe degree and extent of soil contamination. Relate this to known or suspected sources and known or potential receptors/migration pathways.

Relatively low level soil concentrations of VOCs, SVOCs, and lead were detected at the Site and are likely attributed to historical filling station activities.

For the direct contact pathway, except at FS-MW-10 and FS-MW-08 (benzo(a)pyrene at 3.5-4.5 ft bgs) there are no soil samples collected from the the upper 4 feet of soil that exceed a non-industrial direct contact Residual Contaminant

Level (RCL). Concentrations of VOCs or SVOCs exceeded a non-industrial direct contact RCL in the deeper saturated zone soils at SB-3 (naphthalene at 8-10 ft bgs), SB-5 (naphthalene at 4-5 ft bgs), and SB-7 (ethylbenzene at 10-12 ft bgs). Due to the use of these areas a paved parking lots direct contact pathway is not currently of concern. The parking lots will be used as a cap to address the exceedances of the non-industrial direct contact pathway RCL.

For the soil to groundwater pathway, concentrations of one or more VOCs exceeded a soil to groundwater RCL at SB-3, SB-5, SB-6, SB-7, and SB-9. Concentrations of one or more SVOCs exceeded a soil to groundwater RCL at SB-3, SB-5, SB-9, FS-MW-08, FS-MW-09, and FS-MW-13. Concentrations of lead exceeded the soil to groundwater RCL at SB-2 and FS-MW-11, however these concentrations were both below the Background Threshold Value (BTV) of 52 mg/kg. Groundwater monitoring wells FS-MW-01 through FS-MW-13 were installed to evaluate groundwater conditions at the Site. Groundwater analytical results are discussed in Section C.

ii. Describe the concentration(s) and types of soil contaminants found in the upper four feet of the soil column.
For the direct contact pathway, except at FS-MW-10 and FS-MW-08 (benzo(a)pyrene at 3.5-4.5 ft bgs) there are no soil samples collected from the the upper 4 feet of soil that exceed a non-industrial direct contact Residual Contaminant Level (RCL). Due to the use of these areas a paved parking lots direct contact pathway is not currently of concern. The parking lots will be used as a cap to address the exceedances of the non-industrial direct contact pathway RCL.

For the soil to groundwater pathway, concentrations were detected above the soil to groundwater RCL in the upper four feet of the soil column. Lead was detected at SB-2 and FS-MW-11, but concentrations were below the BTV. Polycyclic Aromatic Hydrocarbons (PAHs) exceeded a soil to groundwater RCL at FS-MW-08 and FS-MW-10. Methylene chloride was the only VOC that exceeded a soil to groundwater RCL at SB-6 and is a possible lab contaminant.

iii. Identify the ch. NR 720, Wis. Adm. Code, method used to establish the soil cleanup standards for this site. This includes a soil performance standard established in accordance with s. NR 720.08, a Residual Contaminant Level (RCL) established in accordance with s. NR 720.10 that is protective of groundwater quality, or an RCL established in accordance with s. NR 720.12 that is protective of human health from direct contact with contaminated soil. Identify the land use classification that was used to establish cleanup standards. Provide a copy of the supporting calculations/ information in Attachment C.
Soil standards established in accordance with s. NR 720.08 were developed using the WDNR's December 2018 RCL spreadsheet with soil levels protective of the non-industrial & industrial direct contact pathways and groundwater pathway.

C. Groundwater

i. Describe degree and extent of groundwater contamination. Relate this to known or suspected sources and known or potential receptors/migration pathways. Specifically address any potential or existing impacts to water supply wells or interception with building foundation drain systems.
Groundwater monitoring wells FS-MW-01 through FS-MW-13 were installed, developed and sampled to evaluate groundwater conditions at the former filling stations. Groundwater sample analytical results indicate that a Chapter NR 140 Enforcement Standard (ES) was exceeded at FS-MW-06 (benzene 9 ug/l) and FS-MW-01 (vinyl chloride 1.8 ug/l). No other ES exceedances were detected in groundwater sampled from the monitoring wells. The Chapter NR 140 Preventive Action Limit (PAL) was exceeded at FS-MW-01 for trichloroethene, FS-MW-4 and FS-MW-11 for benzene, FS-MW-09 for chrysene, and FS-MW-03, FS-MW-05, and FS-MW-10 for lead. Concentrations of benzene, chrysene and lead may be associated with leaded gasoline products or other filling station operations. Concentrations of vinyl chloride and trichloroethene may be associated with previously identified groundwater impacts closed under BRRTs# 02-13-000895.

The concentrations of contaminants associated with the former filling stations are defined and the extent of impacts does not impact any water supply wells or intercept with building foundation drain systems. Significant potential receptors or migration pathways are not of concern based on the limited extent of impacts and relatively low concentrations observed in the monitoring wells.

ii. Describe the presence of free product at the site, including the thickness, depth, and locations. Identify the depth and location of the smear zone.
No free product was encountered in any of the soil borings or temporary wells constructed at the Site.

D. Vapor

i. Describe how the vapor migration pathway was assessed, including locations where vapor, soil gas, or indoor air samples were collected. If the vapor pathway was not assessed, explain reasons why.
The vapor pathway did not require evaluation as none of the groundwater concentrations meet or exceed the groundwater vapor risk screening level (VRSL) as calculated using the WI Vapor Quick Look-Up Table (November 2017) found at https://dnr.wi.gov/topic/Brownfields/documents/vapor/vapor-quick.pdf, using the following parameters: published VAL for constituent, dimensionless Henry's law constant at 15 deg. C (groundwater temperature), and a conservative attenuation factor of 0.01 (subslab vapor).

In addition, no buildings or structures are located over or immediately adjacent to the former filling stations.

ii. Identify the applicable DNR action levels and the land use classification used to establish them. Describe where the DNR action levels were reached or exceeded (e.g., sub slab, indoor air or both).

DNR action levels were considered using the groundwater VRSL equation and the above parameters. No groundwater concentrations reported in the Filling Station area investigation analytical reports exceed the VRSL target groundwater concentration.

E. Surface Water and Sediment

i. Identify whether surface water and/or sediment was assessed and describe the impacts found. If this pathway was not assessed, explain why.

No surface water or sediment is immediately present in the area of investigation and therefore no assessment was made or could be made for surface water and/or sediment. The nearest surface water body to the Site is Lake Mendota, located approximately 4,400 feet to the west.

ii. Identify any surface water and/or sediment action levels used to assess the impacts for this pathway and how these were derived. Describe where the DNR action levels were reached or exceeded.

None used because no surface water and/or sediment were present in the area of investigation.

4. Remedial Actions Implemented and Residual Levels at Closure

A. General: Provide a brief summary of the remedial action history. List previous remedial action report submittals by name and date. Identify remedial actions undertaken since the last submittal for this project and provide the appropriate documentation in Attachment C.

No previous or current remedial action was implemented for the filling station locations. Remedial action is not needed due to the low residual concentrations in soil and groundwater. In addition, the portions of the Site where former filling stations were located are currently being used as parking lots.

ERM and a representative from 910 Mayer, LLC (property owner) met with Mike Schmoller of the WDNR at the Fitchburg Service Center on July 10th, 2019. The purpose of the meeting was to discuss the additional site investigation activities and results for the property and submitted to the WDNR in a letter dated June 17, 2019. Based on the discussions in that meeting the WDNR indicated that closure documentation could be prepared for the Former Filling Stations area (BRRTS# 02-13-580722) without any additional investigation.

B. Describe any immediate or interim actions taken at the site under ch NR 708, Wis. Adm. Code.

No immediate or interim actions were undertaken at the site under ch. NR 708. Based upon the residual concentrations in both soil and groundwater and the Site setting, there was no need to implement immediate or interim actions.

C. Describe the *active* remedial actions taken at the source property, including: type of remedial system(s) used for each media affected; the size and location of any excavation or in-situ treatment; the effectiveness of the systems to address the contaminated media and substances; operational history of the systems; and summarize the performance of the active remedial actions. Provide any system performance documentation in Attachment A.7.

No active remedial actions were undertaken at the source property(s) associated with BRRTS #02-13-580722. Active remedial action was not needed based upon conversations between 910 Mayer LLC (property owner) and WDNR (Mike Schmoller).

D. Describe the alternatives considered during the Green and Sustainable Remediation evaluation in accordance with NR 722.09 and any practices implemented as a result of the evaluation.

The best Green and Sustainable Remediation alternative is considered to allow natural attenuation to continue to reduce contaminant concentrations to below soil and/or groundwater standards. No further remedial evaluation is needed based upon the low concentrations of residual contaminants.

E. Describe the nature, degree and extent of residual contamination that will remain at the source property or on other affected properties after case closure.

Residual soil contaminants that will remain at concentrations that exceed an established soil RCL include benzene, ethylbenzene, methylene chloride, naphthalene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene and lead. The residual soil contamination remains on-Site on properties owned by 910 Mayer.

Groundwater contamination that will remain at the source property exceeding the ES only include benzene and vinyl chloride. Benzene exceeds the ES at monitoring well FS-MW-06, and vinyl chloride exceeds the ES at FS-MW-01. The residual groundwater impacts remain on-Site on properties owned by 910 Mayer.

F. Describe the residual soil contamination within four feet of ground surface (direct contact zone) that attains or exceeds RCLs established under s. NR 720.12, Wis. Adm. Code, for protection of human health from direct contact.

Exceedances of the non-industrial direct contact RCL within four feet of ground surface are for benzo(a)pyrene at FS-MW-08 and FS-MW-10. (See Table A.3 for residual soil contamination). These impacts are proposed to be managed in-

place with the existing paved parking lot surface and Cap Maintenance Plan (see Attachment D).

G. Describe the residual soil contamination that is above the observed low water table that attains or exceeds the soil standard(s) for the groundwater pathway.

Exceedances of the soil-to-groundwater RCL for soils above the observed low water table are for polycyclic aromatic hydrocarbons (PAHs) at FS-MW-10 and FS-MW-13. Lead exceeded at SB-2 and FS-MW-11, but concentrations were below the background threshold value of 52 mg/kg. Methylene chloride exceeded at SB-6, but is a common laboratory contaminant. All other detected concentrations were from samples collected below the observed low water table.

H. Describe how the residual contamination will be addressed, including but not limited to details concerning: covers, engineering controls or other barrier features; use of natural attenuation of groundwater; and vapor mitigation systems or measures.

The non-industrial direct contact exceedances of benzo(a)pyrene at FS-MW-08 and FS-MW-10 are planned to be addressed by the presence of paved parking lots. A Cap Maintenance Plan for the paving is provided as Attachment D.

The soil-to-groundwater and groundwater exceedances are proposed to remain in-place and are expected to attenuate over time. Due to the age of these releases and the lack of a pronounced hydraulic gradient, groundwater contaminants are expected to remain in the near vicinity of the former filling stations as they attenuate.

No vapor mitigation systems or measures are required based on the lack of structures and low concentrations of VOCs observed.

I. If using natural attenuation as a groundwater remedy, describe how the data collected supports the conclusion that natural attenuation is effective in reducing contaminant mass and concentration (e.g., stable or receding groundwater plume).

Data collected and summarized in Table A.7 include field measurements of temperature, conductivity, pH, dissolved oxygen, and oxidation-reduction potential. These parameters support the natural attenuation remedy. Dissolved oxygen is depleted in the shallow groundwater providing evidence that aerobic degradation processes are limited to the fringes of the contaminant plume. Anaerobic processes therefore account for most of the biodegradation that is occurring in areas where contaminants are present. Increased biological activity within the groundwater is evidenced by the depressed dissolved oxygen concentration. Additionally, redox potential (ORP) is depressed suggesting increased biological activity (see Table A.7).

J. Identify how all exposure pathways (soil, groundwater, vapor) were removed and/or adequately addressed by immediate, interim and/or remedial action(s).

No immediate, interim or remedial actions were performed at the Site.

K. Identify any system hardware anticipated to be left in place after site closure, and explain the reasons why it will remain.

No system hardware will be left in place after site closure.

L. Identify the need for a ch. NR 140, Wis. Adm. Code, groundwater Preventive Action Limit (PAL) or Enforcement Standard (ES) exemption, and identify the affected monitoring points and applicable substances.

An ES exemption is requested for:
Benzene at FS-MW-06 (9.0 ug/l)
Vinyl Chloride at FS-MW-01 (1.8 ug/l)

A PAL exemption is requested for:
Lead at FS-MW-03 (6.6 J ug/l), FS-MW-05 (7.7 J ug/l), and FS-MW-10 (10.5 J ug/l)
Benzene at FS-MW-04 (1.2 ug/l), and FS-MW-11 (2.7 ug/l)
Trichloroethene (0.51 J ug/l) at FS-MW-01
Chrysene at FS-MW-09 (0.030 J ug/l)

M. If a DNR action level for vapor intrusion was exceeded (for indoor air, sub slab, or both) describe where it was exceeded and how the pathway was addressed.

The vapor intrusion pathway was not investigated as part of this investigation. There are no building structures on the Site and the soil and groundwater concentrations and are insufficient to cause a concern for the indoor air pathway for vapor intrusion.

N. Describe the surface water and/or sediment contaminant concentrations and areas after remediation. If a DNR action level was exceeded, describe where it was exceeded and how the pathway was addressed.

There is no surface water or sediment present in the areas of investigation, and therefore no impacts of contaminants on these media.

M. If a DNR action level for vapor intrusion was exceeded (for indoor air, sub slab, or both) describe where it was exceeded and how the pathway was addressed.

N. Describe the surface water and/or sediment contaminant concentrations and areas after remediation. If a DNR action level was exceeded, describe where it was exceeded and how the pathway was addressed.

5. Continuing Obligations: Includes all affected properties and rights-of-way (ROWs). In certain situations, maintenance plans are also required, and must be included in Attachment D.
Directions: For each of the 3 property types below, check all situations that apply to this closure request.
(NOTE: Monitoring wells to be transferred to another site are addressed in Attachment E.)

	This situation applies to the following property or Right of Way (ROW):			Case Closure Situation - Continuing Obligation (database fees will apply, ii. - xiv.)	Maintenance Plan Required
	Property Type:				
	Source Property	Affected Property (Off-Source)	ROW		
i.	☐	☒	☒	None of the following situations apply to this case closure request.	NA
ii.	☒	☐	☐	Residual groundwater contamination exceeds ch. NR 140 ESs.	NA
iii.	☒	☐	☐	Residual soil contamination exceeds ch. NR 720 RCLs.	NA
iv.				Monitoring Wells Remain:	
	☐	☐	☐	• Not Abandoned (filled and sealed)	NA
	☐	☐	☐	• Continued Monitoring (requested or required)	Yes
v.	☒	☐	☐	Cover/Barrier/Engineered Cover or Control for (soil) direct contact pathways (includes vapor barriers)	Yes
vi.	☒	☐	☐	Cover/Barrier/Engineered Cover or Control for (soil) groundwater infiltration pathway	Yes
vii.	☐	☐	☐	Structural Impediment: impedes completion of investigation or remedial action (not as a performance standard cover)	NA
viii.	☐	☐	☐	Residual soil contamination meets NR 720 industrial soil RCLs, land use is classified as industrial	NA
ix.	☐	☐	NA	Vapor Mitigation System (VMS) required due to exceedances of vapor risk screening levels or other health based concern	Yes
x.	☐	☐	NA	Vapor: Dewatering System needed for VMS to work effectively	Yes
xi.	☐	☐	NA	Vapor: Compounds of Concern in use: full vapor assessment could not be completed	NA
xii	☐	☐	NA	Vapor: Commercial/industrial exposure assumptions used.	NA
xiii.	☒	☐	☐	Vapor: Residual volatile contamination poses future risk of vapor intrusion	NA
xiv.	☐	☐	☐	Site-specific situation: (e. g., fencing, methane monitoring, other) (*discuss with project manager before submitting the closure request*)	Site specific

6. Underground Storage Tanks

A. Were any tanks, piping or other associated tank system components removed as part of the investigation or remedial action? ○ Yes ◉ No

B. Do any upgraded tanks meeting the requirements of ch. ATCP 93, Wis. Adm. Code, exist on the property? ○ Yes ◉ No

C. If the answer to question 6.B. is yes, is the leak detection system currently being monitored? ○ Yes ○ No

General Instructions

All information shall be legible. Providing illegible information will result in a submittal being considered incomplete until corrected. For each attachment (A-G), provide a Table of Contents page, listing all 'applicable' and 'not applicable' items by Closure Form titles (e.g., A.1. Groundwater Analytical Table, A.2. Soil Analytical Results Table, etc.). If any item is 'not applicable' to the case closure request, you must fully explain the reasons why.

Data Tables (Attachment A)

Directions for Data Tables:

- Use **bold** and italics font for information of importance on tables and figures. Use **bold** font for ch. NR 140, Wis. Adm. Code ES attainments or exceedances, and *italicized font* for ch. NR 140, Wis. Adm. Code, PAL attainments or exceedances.
- Use **bold** font to identify individual ch. NR 720 Wis. Adm. Code RCL exceedances. Tables should also include the corresponding groundwater pathway and direct contact pathway RCLs for comparison purposes. Cumulative hazard index and cumulative cancer risk exceedances should also be tabulated and identified on Tables A.2 and A.3.
- Do not use shading or highlighting on the analytical tables.
- Include on Data Tables the level of detection for results which are below the detection level (i.e., do not just list as no detect (ND)).
- Include the units on data tables.
- Summaries of all data must include information collected by previous consultants.
- Do not submit lab data sheets unless these have not been submitted in a previous report. Tabulate all data required in s. NR 716.15 (3)(c), Wis. Adm. Code, in the format required in s. NR 716.15(4)(e), Wis. Adm. Code.
- Include in Attachment A all of the following tables, in the order prescribed below, with the specific Closure Form titles noted on the separate attachments (e.g., Title: A.1. Groundwater Analytical Table; A.2. Soil Analytical Results Table, etc.).
- For required documents, each table (e.g., A.1., A.2., etc.) should be a separate Portable Document Format (PDF).

A. Data Tables

A.1. **Groundwater Analytical Table(s):** Table(s) showing the analytical results and collection dates for all groundwater sampling points (e.g., monitoring wells, temporary wells, sumps, extraction wells, potable wells) for which samples have been collected.

A.2. **Soil Analytical Results Table(s):** Table(s) showing **all** soil analytical results and collection dates. Indicate if sample was collected above or below the observed low water table (unsaturated versus saturated).

A.3. **Residual Soil Contamination Table(s):** Table(s) showing the analytical results of only the residual soil contamination at the time of closure. This table shall be a subset of table A.2 and should include only the soil sample locations that exceed an RCL. Indicate if sample was collected above or below the observed low water table (unsaturated versus saturated). Table A.3 is optional only if a total of fewer than 15 soil samples have been collected at the site.

A.4. **Vapor Analytical Table(s)**: Table(s) showing type(s) of samples, sample collection methods, analytical method, sample results, date of sample collection, time period for sample collection, method and results of leak detection, and date, method and results of communication testing.

A.5. **Other Media of Concern (e.g., sediment or surface water)**: Table(s) showing type(s) of sample, sample collection method, analytical method, sample results, date of sample collection, and time period for sample collection.

A.6. **Water Level Elevations:** Table(s) showing all water level elevation measurements and dates from all monitoring wells. If present, free product should be noted on the table.

A.7. **Other:** This attachment should include: 1) any available tabulated natural attenuation data; 2) data tables pertaining to engineered remedial systems that document operational history, demonstrate system performance and effectiveness, and display emissions data; and (3) any other data tables relevant to case closure not otherwise noted above. If this section is not applicable, please explain the reasons why.

Maps, Figures and Photos (Attachment B)

Directions for Maps, Figures and Photos:

- Provide on paper no larger than 11 x 17 inches, unless otherwise directed by the Department. Maps and figures may be submitted in a larger electronic size than 11 x 17 inches, in a PDF readable by the Adobe Acrobat Reader. However, those larger-size documents must be legible when printed.
- Prepare visual aids, including maps, plans, drawings, fence diagrams, tables and photographs according to the applicable portions of ss. NR 716.15(4), 726.09(2) and 726.11(3), (5) and (6), Wis. Adm. Code.
- Include all sample locations.
- Contour lines should be clearly labeled and defined.
- Include in Attachment B all of the following maps and figures, in the order prescribed below, with the specific Closure Form titles noted on the separate attachments (e.g., Title: B.1. Location Map; B.2. Detailed Site Map, etc).
- For the electronic copies that are required, each map (e.g., B.1.a., B.2.a, etc.,) should be a separate PDF.
- Maps, figures and photos should be dated to reflect the most recent revision.

B.1. Location Maps

B.1.a. **Location Map:** A map outlining all properties within the contaminated site boundaries on a United States Geological Survey (U.S.G.S.) topographic map or plat map in sufficient detail to permit easy location of all affected and/or adjacent parcels. If groundwater standards are exceeded, include the location of all potable wells, including municipal wells, within 1200 feet of the area of contamination.

B.1.b. **Detailed Site Map:** A map that shows all relevant features (buildings, roads, current ground surface cover, individual property boundaries for all affected properties, contaminant sources, utility lines, monitoring wells and potable wells) within the contaminated area. This map is to show the location of all contaminated public streets, and highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination attaining or exceeding a ch. NR 140 ES, and/or in relation to the boundaries of soil contamination attaining or exceeding a RCL. Provide parcel identification numbers for all affected properties.

B.1.c. **RR Sites Map:** From RR Sites Map (http://dnrmaps.wi.gov/sl/?Viewer=RR Sites) attach a map depicting the source property, and all open and closed BRRTS sites within a half-mile radius or less of the property.

B.2. Soil Figures

B.2.a. **Soil Contamination:** Figure(s) showing the location of **all** identified unsaturated soil contamination. Use a single contour to show the horizontal extent of each area of contiguous soil contamination that exceeds a soil to groundwater pathway RCL as determined under ch. NR 720.Wis. Adm. Code. A separate contour line should be used to indicate the horizontal extent of each area of contiguous soil contamination that exceeds a direct contact RCL exceedances (0-4 foot depth).

B.2.b. **Residual Soil Contamination:** Figure(s) showing only the locations of soil samples where unsaturated soil contamination remains at the time of closure (locations represented in Table A.3). Use a single contour to show the horizontal extent of each area of contiguous soil contamination that exceeds a soil to groundwater pathway RCL as determined under ch. NR 720 Wis. Adm. Code. A separate contour line should be used to indicate the horizontal extent of each area of contiguous soil contamination that exceeds a direct contact RCL exceedence (0-4 foot depth).

B.3. Groundwater Figures

B.3.a. **Geologic Cross-Section Figure(s):** One or more cross-section diagrams showing soil types and correlations across the site, water table and piezometric elevations, and locations and elevations of geologic rock units, if encountered. Display on one or more figures all of the following:

- Source location(s) and vertical extent of residual soil contamination exceeding an RCL. Distinguish between direct contact and the groundwater pathway RCLs.
- Source location(s) and lateral and vertical extent if groundwater contamination exceeds ch. NR 140 ES.
- Surface features, including buildings and basements, and show surface elevation changes.
- Any areas of active remediation within the cross section path, such as excavations or treatment zones.
- Include a map displaying the cross-section location(s), if they are not displayed on the Detailed Site Map (Map B.1.b.)

B.3.b. **Groundwater Isoconcentration:** Figure(s) showing the horizontal extent of the post-remedial groundwater contamination exceeding a ch. NR 140, Wis. Adm. Code, PAL and/or an ES. Indicate the date and direction of groundwater flow based on the most recent sampling data.

B.3.c. **Groundwater Flow Direction:** Figure(s) representing groundwater movement at the site. If the flow direction varies by more than 20° over the history of the site, submit two groundwater flow maps showing the maximum variation in flow direction.

B.3.d. **Monitoring Wells:** Figure(s) showing all monitoring wells, with well identification number. Clearly designate any wells that: (1) are proposed to be abandoned; (2) cannot be located; (3) are being transferred; (4) will be retained for further sampling, or (5) have been abandoned.

B.4. Vapor Maps and Other Media

B.4.a. **Vapor Intrusion Map:** Map(s) showing all locations and results for samples taken to investigate the vapor intrusion pathway in relation to residual soil and groundwater contamination, including sub-slab, indoor air, soil vapor, soil gas, ambient air, and communication testing. Show locations and footprints of affected structures and utility corridors, and/or where residual contamination poses a future risk of vapor intrusion.

B.4.b. **Other media of concern (e.g., sediment or surface water):** Map(s) showing all sampling locations and results for other media investigation. Include the date of sample collection and identify where any standards are exceeded.

B.4.c. **Other:** Include any other relevant maps and figures not otherwise noted above. (This section may remain blank).

B.5. Structural Impediment Photos: One or more photographs documenting the structural impediment feature(s) which precluded a complete site investigation or remediation at the time of the closure request. The photographs should document the area that could not be investigated or remediated due to a structural impediment. The structural impediment should be indicated on Figures B.2.a and B.2.b.

Documentation of Remedial Action (Attachment C)

Directions for Documentation of Remedial Action:

- Include in Attachment C all of the following documentation, in the order prescribed below, with the specific Closure Form titles noted on the separate attachments (e.g., Title: C.1. Site Investigation Documentation; C.2. Investigative Waste, etc.).
- If the documentation requested below has already been submitted to the DNR, please note the title and date of the report for that particular document requested.

C.1. **Site investigation documentation,** that has not otherwise been submitted with the Site Investigation Report.

C.2. **Investigative waste** disposal documentation.

C.3. Provide a **description of the methodology** used along with all supporting documentation if the RCLs are different than those contained in the Department's RCL Spreadsheet available at: http://dnr.wi.gov/topic/Brownfields/Professionals.html.

C.4. **Construction documentation** or as-built report for any constructed remedial action or portion of, or interim action specified in s. NR 724.02(1), Wis. Adm. Code.

C.5. **Decommissioning of Remedial Systems.** Include plans to properly abandon any systems or equipment.

C.6. **Other**. Include any other relevant documentation not otherwise noted above (This section may remain blank).

Maintenance Plan(s) and Photographs (Attachment D)

Directions for Maintenance Plans and Photographs:

Attach a maintenance plan for each affected property (source property, each off-source affected property) with continuing obligations requiring future maintenance (e.g., direct contact, groundwater protection, vapor intrusion). See Site Summary section 5 for all affected property(s) requiring a maintenance plan. Maintenance plan guidance and/or templates for: 1) Cover/barrier systems; 2) Vapor intrusion; and 3) Monitoring wells, can be found at: http://dnr.wi.gov/topic/Brownfields/Professionals.html#tabx3

D.1. **Descriptions of maintenance action(s) required for maximizing effectiveness of the engineered control, vapor mitigation system, feature or other action for which maintenance is required:**

- Provide brief descriptions of the type, depth and location of residual contamination.

- Provide a description of the system/cover/barrier/monitoring well(s) to be maintained.
- Provide a description of the maintenance actions required for maximizing effectiveness of the engineered control, vapor mitigation system, feature or other action for which maintenance is required.
- Provide contact information, including the name, address and phone number of the individual or facility who will be conducting the maintenance.

D.2. **Location map(s) which show(s):** (1) the feature that requires maintenance; (2) the location of the feature(s) that require(s) maintenance - on and off the source property; (3) the extent of the structure or feature(s) to be maintained, in relation to other structures or features on the site; (4) the extent and type of residual contamination; and (5) all property boundaries.

D.3. **Photographs** for site or facilities with a cover or other performance standard, a structural impediment or a vapor mitigation system, include one or more photographs documenting the condition and extent of the feature at the time of the closure request. Pertinent features shall be visible and discernible. Photographs shall be submitted with a title related to the site name and location, and the date on which it was taken.

D.4. **Inspection log**, to be maintained on site, or at a location specified in the maintenance plan or approval letter. The inspection and maintenance log is found at: http://dnr.wi.gov/files/PDF/forms/4400/4400-305.pdf.

Monitoring Well Information (Attachment E)

Directions for Monitoring Well Information:
For all wells that will remain in use, be transferred to another party, or that could not be located; attach monitoring well construction and development forms (DNR Form 4400-113 A and B: http://dnr.wi.gov/topic/groundwater/documents/forms/4400_113_1_2.pdf)

Select One:

◯ No monitoring wells were installed as part of this response action.

◉ All monitoring wells have been located and will be properly abandoned upon the DNR granting conditional closure to the site

◯ ***Select One or More:***

☐ Not all monitoring wells can be located, despite good faith efforts. Attachment E must include a description of efforts made to locate the wells.

☐ One or more wells will remain in use at the site after this closure. Attachment E must include documentation as to the reason (s) the well(s) will remain in use. When one or more monitoring wells will remain in use this is considered a continuing obligation and a maintenance plan will be required and must be included in Attachment D.

☐ One or more monitoring wells will be transferred to another owner upon case closure being granted. Attachment E should include documentation identifying the name, address and email for the new owner(s). Provide documentation from the party accepting future responsibility for monitoring well(s).

Source Legal Documents (Attachment F)

Directions for Source Legal Documents:
Label documents with the specific closure form titles (e.g., F.1. Deed, F.2. Certified Survey Map, etc.). Include all of the following documents, in the order listed:

F.1. **Deed:** The most recent deed with legal description clearly listed.

Note: *If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.*

F.2. **Certified Survey Map:** A copy of the certified survey map or the relevant section of the recorded plat map for those properties where the legal description in the most recent deed refers to a certified survey map or a recorded plat map. In cases where the certified survey map or recorded plat map are not legible or are unavailable, a copy of a parcel map from a county land information office may be substituted. A copy of a parcel map from a county land information office shall be legible, and the parcels identified in the legal description shall be clearly identified and labeled with the applicable parcel identification number.

F.3. **Verification of Zoning**: Documentation (e.g., official zoning map or letter from municipality) of the property's or properties' current zoning status.

F.4. **Signed Statement:** A statement signed by the Responsible Party (RP), which states that he or she believes that the attached legal description(s) accurately describe(s) the correct contaminated property or properties. This section applies to the source property only. Signed statements for Other Affected Properties should be included in Attachment G.

Notifications to Owners of Affected Properties (Attachment G)

Directions for Notifications to Owners of Affected Properties:
Complete the table on the following page for sites which require notification to owners of affected properties pursuant to ch. 292, Wis. Stats. and ch. NR 725 and 726, Wis. Adm. Code. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records law [ss. 19.31- 19.39,Wis. Stats.]. The DNR's "Guidance on Case Closure and the Requirements for Managing Continuing Obligations" (PUB-RR-606) lists specific notification requirements http://dnr.wi.gov/files/PDF/pubs/rr/RR606.pdf.

State law requires that the responsible party provide a 30-day, written advance notification to certain persons prior to applying for case closure. This requirement applies if: (1) the person conducting the response action does not own the source property; (2) the contamination has migrated onto another property; and/or (3) one or more monitoring wells will not be abandoned. Use form 4400-286, Notification of Continuing Obligations and Residual Contamination, at http://dnr.wi.gov/files/PDF/forms/4400/4400-286.pdf

Include a copy of each notification sent and accompanying proof of delivery, i.e., return receipt or signature confirmation.

Include the following documents for each property, keeping each property's documents grouped together and labeled with the letter G and the corresponding ID number from the table on the following page. (Source Property documents should only be included in Attachment F):

- **Deed:** The most recent deed with legal descriptions clearly listed for all affected properties.
  Note: If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.
- **Certified Survey Map:** A copy of the certified survey map or the relevant section of the recorded plat map for those properties where the legal description in the most recent deed refers to a certified survey map or a recorded plat map. In cases where the certified survey map or recorded plat map are not legible or are unavailable, a copy of a parcel map from a county land information office may be substituted. A copy of a parcel map from a county land information office shall be legible, and the parcels identified in the legal description shall be clearly identified and labeled with the applicable parcel identification number.
- **Verification of Zoning:** Documentation (e.g., official zoning map or letter from municipality) of the property's or properties' current zoning status.
- **Signed Statement:** A statement signed by the Responsible Party (RP), which states that he or she believes the attached legal description(s) accurately describe(s) the correct contaminated property or properties.

Notifications to Owners of Affected Properties (Attachment G)

							Reasons Notification Letter Sent:													
ID	Address of Affected Property	Parcel ID No.	Date of Receipt of Letter	Type of Property Owner	WTMX	WTMY	Residual Groundwater Contamination = or > ES	Residual Soil Contamination Exceeds RCLs	Monitoring Wells: Not Abandoned	Monitoring Wells: Continued Monitoring	Cover/Barrier/Engineered Control	Structural Impediment	Industrial RCLs Met/Applied	Vapor Mitigation System(VMS)	Dewatering System Needed for VMS	Compounds of Concern in Use	Commercial/Industrial Vapor Exposure Assumptions Applied	Residual Volatile Contamination Poses Future Risk of Vapor Intrusion	Site Specification Situation
A																				
B																				
C																				
D																				

Signatures and Findings for Closure Determination

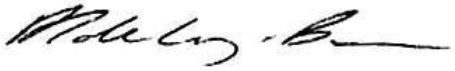
This page has been updated as of February 2019 to comply with the requirements of Wis. Admin. Code ch. NR 712.

Check the correct box for this case closure request and complete the corresponding certification statement(s) listed below to demonstrate that the requirements of Wis. Admin. Code ch. NR 712 have been met. The responsibility for signing the certification may not be delegated per Wis. Admin. Code § NR 712.09 (1). Per Wis. Admin. Code § 712.05 (1), the work must be conducted or supervised by the person certifying.

- (●) The investigation and/or response action(s) for this site evaluated and/or addressed groundwater (including natural attenuation remedies). Both a professional engineer and a hydrogeologist must sign this document per Wis. Admin. Code ch. NR 712.
- ( ) The investigation and the response action(s) for this site did not evaluate or address groundwater. A professional engineer must sign this document per Wis. Admin. Code ch. NR 712.

Engineering Certification

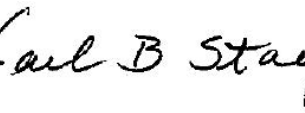
I, David T de Courcy-Bower, hereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirements of ch. A-E 4, Wis. Adm. Code; that this document has been prepared in accordance with the Rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Signature  P. E. # 38527

Title Partner / Professional Engineer P.E. Stamp Unavailable due to COVID-19

Hydrogeologist Certification

I, Carl Stay, hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03 (1), Wis. Adm. Code, am registered in accordance with the requirements of ch. GHSS 2, Wis. Adm. Code, or licensed in accordance with the requirements of ch. GHSS 3, Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Signature 

Title Hydrogeologist Date 4/15/20

ATTACHMENT A

DATA TABLES

TABLE A.1 - Groundwater Analytical Table

BRRTS # 02-13-580721

SITE NAME: Oscar Mayer Facility

SITE ADDRESS: 910 Oscar Avenue Madison, WI 53704

			Location ID	FS-MW-01	FS-MW-02	FS-MW-02	FS-MW-03	FS-MW-04	FS-MW-05	FS-MW-06	FS-MW-07	FS-MW-08
			Sample Type	N	N	FD	N	N	N	N	N	N
			Sample Date	5/6/2019	5/7/2019	5/7/2019	5/7/2019	5/8/2019	5/8/2019	5/7/2019	5/7/2019	5/8/2019
Parameter	**Unit**	*PAL*	**ES**									
Metals												
Lead	ug/L	*1.5*	15	< 6.4	< 6.4	< 6.4	*6.6 J*	< 6.4	*7.7 J*	< 6.4	< 6.4	< 6.4
VOCs												
1,1,1,2-Tetrachloroethane	ug/L	7	70	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
1,1,1-Trichloroethane	ug/L	40	200	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,1,2,2-Tetrachloroethane	ug/L	0.02	0.2	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,1,2-Trichloroethane	ug/L	0.5	5	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55
1,1-Dichloroethane	ug/L	85	850	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
1,1-Dichloroethene	ug/L	0.7	7	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,1-Dichloropropene	ug/L	NS	NS	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54
1,2,3-Trichlorobenzene	ug/L	NS	NS	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63
1,2,3-Trichloropropane	ug/L	12	60	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59
1,2,4-Trichlorobenzene	ug/L	14	70	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95
1,2,4-Trimethylbenzene	ug/L	NS	NS	< 0.84	< 0.84	< 0.84	< 0.84	40.6	2.8 J	< 0.84	< 0.84	< 0.84
1,2-Dibromo-3-chloropropane	ug/L	0.02	0.2	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
1,2-Dichlorobenzene	ug/L	60	600	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71
1,2-Dichloroethane	ug/L	0.5	5	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,2-Dichloropropane	ug/L	0.5	5	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,3,5-Trimethylbenzene	ug/L	NS	NS	< 0.87	< 0.87	< 0.87	< 0.87	12.6	2.2 J	< 0.87	< 0.87	< 0.87
1,3-Dichlorobenzene	ug/L	120	600	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63
1,3-Dichloropropane	ug/L	NS	NS	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83
1,4-Dichlorobenzene	ug/L	15	75	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94
2,2-Dichloropropane	ug/L	NS	NS	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3
4-Chlorotoluene	ug/L	NS	NS	< 0.76	< 0.76	< 0.76	< 0.76	< 0.76	< 0.76	< 0.76	< 0.76	< 0.76
4-Isopropyltoluene	ug/L	NS	NS	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	1.9 J	< 0.80	< 0.80	< 0.80
Benzene	ug/L	*0.5*	**5**	< 0.25	< 0.25	< 0.25	< 0.25	*1.2*	< 0.25	***9.0***	< 0.25	< 0.25
Bromobenzene	ug/L	NS	NS	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
Bromodichloromethane	ug/L	0.06	0.6	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
Bromoform	ug/L	0.44	4.4	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
Carbon tetrachloride	ug/L	0.5	5	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
Chlorobenzene	ug/L	20	100	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71
Chlorobromomethane	ug/L	NS	NS	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
Chloroethane	ug/L	80	400	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
Chloroform	ug/L	0.6	6	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
cis-1,2-Dichloroethene	ug/L	7	70	2.0	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
cis-1,3-Dichloropropene	ug/L	NS	NS	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6
Dibromochloromethane	ug/L	6	60	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6
Dibromomethane	ug/L	NS	NS	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94
Dichlorodifluoromethane (Freon 12)	ug/L	200	1000	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Ethylbenzene	ug/L	140	700	< 0.22	< 0.22	< 0.22	< 0.22	50.3	1.8	< 0.22	< 0.22	< 0.22
Ethylene dibromide	ug/L	0.005	0.05	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83
Hexachlorobutadiene	ug/L	NS	NS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Isopropyl ether	ug/L	NS	NS	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
Isopropylbenzene (Cumene)	ug/L	NS	NS	< 0.39	< 0.39	< 0.39	< 0.39	2.5 J	21.0	< 0.39	< 0.39	< 0.39
m,p-Xylenes	ug/L	NS	NS	< 0.47	< 0.47	< 0.47	< 0.47	120	< 0.47	< 0.47	< 0.47	< 0.47
Methyl bromide	ug/L	1	10	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97
Methyl chloride	ug/L	3	30	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2
Methyl tert-butyl ether	ug/L	12	60	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Methylene chloride	ug/L	0.5	5	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58
Naphthalene	ug/L	10	100	< 1.2	< 1.2	< 1.2	< 1.2	3.1 J	< 1.2	< 1.2	< 1.2	< 1.2
n-Butylbenzene	ug/L	NS	NS	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71
n-Propylbenzene	ug/L	NS	NS	< 0.81	< 0.81	< 0.81	< 0.81	6.7	62.2	< 0.81	< 0.81	< 0.81
o-Chlorotoluene (2-chlorotoluene)	ug/L	NS	NS	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93
o-Xylene	ug/L	NS	NS	< 0.26	< 0.26	< 0.26	< 0.26	29.5	< 0.26	< 0.26	< 0.26	< 0.26
sec-Butylbenzene	ug/L	NS	NS	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	5.8	< 0.85	< 0.85	< 0.85
Styrene	ug/L	10	100	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47
tert-Butylbenzene	ug/L	NS	NS	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
Tetrachloroethene	ug/L	0.5	5	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Toluene	ug/L	160	800	< 0.17	< 0.17	< 0.17	< 0.17	1.6 J	0.17 J	0.29 J	0.18 J	< 0.17
trans-1,2-Dichloroethene	ug/L	20	100	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
trans-1,3-Dichloropropene	ug/L	NS	NS	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4
Trichloroethene	ug/L	*0.5*	5	*0.51 J*	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
Trichlorofluoromethane (Freon 11)	ug/L	698	3490	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Vinyl chloride	ug/L	*0.02*	**0.2**	***1.8***	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
SVOCs												
1-Methylnaphthalene	ug/L	NS	NS	< 0.0054	0.0097 J	0.0084 J	0.0070 J	< 0.0054	0.083	0.042	0.0093 J	< 0.0054
2-Methylnaphthalene	ug/L	NS	NS	< 0.0045	0.010 J	0.0071 J	0.0093 J	0.0084 J	< 0.0046	0.012 J	0.0086 J	< 0.0045
Acenaphthene	ug/L	NS	NS	< 0.0055	< 0.0055	< 0.0055	< 0.0057	< 0.0056	0.019 J	0.017 J	< 0.0058	< 0.0056
Acenaphthylene	ug/L	NS	NS	< 0.0045	< 0.0045	< 0.0045	< 0.0047	< 0.0046	< 0.0047	0.022 J	< 0.0047	< 0.0046
Anthracene	ug/L	600	3000	< 0.0095	0.039 J	0.012 J	0.034 J	< 0.0096	< 0.0098	0.025 J	0.033 J	< 0.0096
Benzo(a)anthracene	ug/L	NS	NS	< 0.0069	0.011 J	0.0069 J	0.0085 J	< 0.0069	< 0.0071	0.0086 J	0.0080 J	< 0.0069
Benzo(a)pyrene	ug/L	0.02	0.2	< 0.0096	< 0.0096	< 0.0096	< 0.0098	< 0.0097	< 0.0098	< 0.0097	< 0.010	< 0.0097
Benzo(b)fluoranthene	ug/L	0.02	0.2	< 0.0052	< 0.0052	< 0.0052	< 0.0054	< 0.0053	< 0.0054	< 0.0053	< 0.0055	< 0.0053
Benzo(g,h,i)perylene	ug/L	NS	NS	< 0.0062	< 0.0062	< 0.0062	< 0.0063	< 0.0062	< 0.0063	0.023 J	< 0.0065	< 0.0062
Benzo(k)fluoranthene	ug/L	NS	NS	< 0.0069	< 0.0069	< 0.0069	< 0.0071	< 0.0069	< 0.0071	< 0.0069	< 0.0072	< 0.0069
Chrysene	ug/L	*0.02*	0.2	< 0.012	0.017 J	< 0.012	< 0.012	< 0.012	< 0.012	< 0.012	0.015 J	< 0.012
Dibenzo(a,h)anthracene	ug/L	NS	NS	< 0.0091	< 0.0091	< 0.0091	< 0.0094	< 0.0092	< 0.0094	< 0.0092	< 0.0095	< 0.0092
Fluoranthene	ug/L	80	400	< 0.0097	0.011 J	< 0.0097	< 0.010	< 0.0098	< 0.010	< 0.0098	< 0.010	< 0.0098
Fluorene	ug/L	80	400	< 0.0072	0.0077 J	< 0.0072	< 0.0074	< 0.0073	< 0.0074	0.018 J	< 0.0076	< 0.0073
Indeno(1,2,3-cd)pyrene	ug/L	NS	NS	< 0.016	< 0.016	< 0.016	< 0.016	< 0.016	< 0.016	< 0.016	< 0.017	< 0.016
Naphthalene	ug/L	10	100	< 0.017	0.020 J	< 0.017	< 0.017	< 0.017	0.46	0.079 J	< 0.017	< 0.017
Phenanthrene	ug/L	NS	NS	< 0.013	0.085	0.030 J	0.049 J	< 0.013	< 0.013	0.033 J	0.059 J	< 0.013
Pyrene	ug/L	50	250	< 0.0070	0.014 J	0.0071 J	0.011 J	< 0.0070	< 0.0071	0.013 J	0.014 J	< 0.0070

Notes:

Results reported in micrograms per liter (ug/L).

Italicized values exceed the Chapter NR140 Preventive Action Limit (PAL)

Bold values exceed the Chapter NR140 Enforcement Standard (ES)

NS = No established standard

J = Estimated concentration at or above the limit of detection and below the limit of quantitation.

N = Normal sample

FD = Field duplicate sample

TABLE A.1 - Groundwater Analytical Table

BRRTS # 02-13-580721

SITE NAME: Oscar Mayer Facility

SITE ADDRESS: 910 Oscar Avenue Madison, WI 53704

			Location ID	FS-MW-09	FS-MW-10	FS-MW-11	FS-MW-11	FS-MW-12	FS-MW-13
			Sample Type	N	N	N	FD	N	N
			Sample Date	5/7/2019	5/9/2019	5/8/2019	5/8/2019	5/6/2019	5/7/2019
Parameter	**Unit**	*PAL*	**ES**						
Metals									
Lead	ug/L	*1.5*	15	< 6.4	*10.5 J*	< 6.4	< 6.4	< 6.4	< 6.4
VOCs									
1,1,1,2-Tetrachloroethane	ug/L	7	70	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
1,1,1-Trichloroethane	ug/L	40	200	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,1,2,2-Tetrachloroethane	ug/L	0.02	0.2	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,1,2-Trichloroethane	ug/L	0.5	5	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55
1,1-Dichloroethane	ug/L	85	850	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
1,1-Dichloroethene	ug/L	0.7	7	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,1-Dichloropropene	ug/L	NS	NS	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54
1,2,3-Trichlorobenzene	ug/L	NS	NS	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63
1,2,3-Trichloropropane	ug/L	12	60	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59
1,2,4-Trichlorobenzene	ug/L	14	70	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95
1,2,4-Trimethylbenzene	ug/L	NS	NS	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84
1,2-Dibromo-3-chloropropane	ug/L	0.02	0.2	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
1,2-Dichlorobenzene	ug/L	60	600	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71
1,2-Dichloroethane	ug/L	0.5	5	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,2-Dichloropropane	ug/L	0.5	5	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,3,5-Trimethylbenzene	ug/L	NS	NS	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87
1,3-Dichlorobenzene	ug/L	120	600	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63
1,3-Dichloropropane	ug/L	NS	NS	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83
1,4-Dichlorobenzene	ug/L	15	75	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94
2,2-Dichloropropane	ug/L	NS	NS	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3
4-Chlorotoluene	ug/L	NS	NS	< 0.76	< 0.76	< 0.76	< 0.76	< 0.76	< 0.76
4-Isopropyltoluene	ug/L	NS	NS	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80
Benzene	ug/L	*0.5*	**5**	< 0.25	< 0.25	*2.7*	*2.4*	< 0.25	< 0.25
Bromobenzene	ug/L	NS	NS	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
Bromodichloromethane	ug/L	0.06	0.6	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
Bromoform	ug/L	0.44	4.4	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
Carbon tetrachloride	ug/L	0.5	5	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
Chlorobenzene	ug/L	20	100	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71
Chlorobromomethane	ug/L	NS	NS	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
Chloroethane	ug/L	80	400	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
Chloroform	ug/L	0.6	6	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
cis-1,2-Dichloroethene	ug/L	7	70	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
cis-1,3-Dichloropropene	ug/L	NS	NS	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6
Dibromochloromethane	ug/L	6	60	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6
Dibromomethane	ug/L	NS	NS	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94
Dichlorodifluoromethane (Freon 12)	ug/L	200	1000	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Ethylbenzene	ug/L	140	700	< 0.22	< 0.22	0.79 J	0.78 J	< 0.22	< 0.22
Ethylene dibromide	ug/L	0.005	0.05	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83
Hexachlorobutadiene	ug/L	NS	NS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Isopropyl ether	ug/L	NS	NS	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
Isopropylbenzene (Cumene)	ug/L	NS	NS	< 0.39	< 0.39	0.92 J	0.89 J	< 0.39	< 0.39
m,p-Xylenes	ug/L	NS	NS	< 0.47	< 0.47	1.1 J	1.1 J	< 0.47	< 0.47
Methyl bromide	ug/L	1	10	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97
Methyl chloride	ug/L	3	30	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2
Methyl tert-butyl ether	ug/L	12	60	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Methylene chloride	ug/L	0.5	5	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58
Naphthalene	ug/L	10	100	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
n-Butylbenzene	ug/L	NS	NS	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71
n-Propylbenzene	ug/L	NS	NS	< 0.81	< 0.81	2.1 J	1.7 J	< 0.81	< 0.81
o-Chlorotoluene (2-chlorotoluene)	ug/L	NS	NS	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93
o-Xylene	ug/L	NS	NS	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
sec-Butylbenzene	ug/L	NS	NS	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85
Styrene	ug/L	10	100	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47
tert-Butylbenzene	ug/L	NS	NS	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
Tetrachloroethene	ug/L	0.5	5	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Toluene	ug/L	160	800	< 0.17	< 0.17	0.22 J	0.20 J	< 0.17	< 0.17
trans-1,2-Dichloroethene	ug/L	20	100	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
trans-1,3-Dichloropropene	ug/L	NS	NS	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4
Trichloroethene	ug/L	*0.5*	5	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
Trichlorofluoromethane (Freon 11)	ug/L	698	3490	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Vinyl chloride	ug/L	*0.02*	**0.2**	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
SVOCs									
1-Methylnaphthalene	ug/L	NS	NS	0.012 J	0.0076 J	< 0.0053	< 0.0054	< 0.0053	0.011 J
2-Methylnaphthalene	ug/L	NS	NS	0.012 J	0.0067 J	0.0045 J	< 0.0045	< 0.0044	0.0088 J
Acenaphthene	ug/L	NS	NS	< 0.0057	< 0.0056	< 0.0055	< 0.0056	< 0.0054	< 0.0056
Acenaphthylene	ug/L	NS	NS	< 0.0047	< 0.0046	< 0.0045	< 0.0046	< 0.0044	< 0.0046
Anthracene	ug/L	600	3000	0.075	< 0.0096	0.0097 J	< 0.0096	< 0.0093	0.041 J
Benzo(a)anthracene	ug/L	NS	NS	0.016 J	< 0.0069	< 0.0068	< 0.0069	< 0.0067	0.0090 J
Benzo(a)pyrene	ug/L	0.02	0.2	< 0.0098	< 0.0097	< 0.0095	< 0.0097	< 0.0094	< 0.0097
Benzo(b)fluoranthene	ug/L	0.02	0.2	0.0065 J	< 0.0053	< 0.0052	< 0.0053	< 0.0051	< 0.0053
Benzo(g,h,i)perylene	ug/L	NS	NS	< 0.0063	< 0.0062	0.012 J	< 0.0062	< 0.0061	0.022 J
Benzo(k)fluoranthene	ug/L	NS	NS	< 0.0071	< 0.0069	< 0.0068	< 0.0069	< 0.0067	< 0.0069
Chrysene	ug/L	*0.02*	0.2	*0.030 J*	< 0.012	< 0.012	< 0.012	< 0.012	< 0.012
Dibenzo(a,h)anthracene	ug/L	NS	NS	< 0.0094	< 0.0092	< 0.0090	< 0.0092	< 0.0089	< 0.0092
Fluoranthene	ug/L	80	400	0.018 J	< 0.0098	< 0.0096	< 0.0098	< 0.0095	0.010 J
Fluorene	ug/L	80	400	< 0.0074	< 0.0073	< 0.0072	< 0.0073	< 0.0071	0.012 J
Indeno(1,2,3-cd)pyrene	ug/L	NS	NS	< 0.016	< 0.016	< 0.016	< 0.016	< 0.016	< 0.016
Naphthalene	ug/L	10	100	0.033 J	< 0.017	< 0.017	< 0.017	< 0.016	0.036 J
Phenanthrene	ug/L	NS	NS	0.14	< 0.013	< 0.012	< 0.013	< 0.012	0.044 J
Pyrene	ug/L	50	250	0.019 J	< 0.0070	< 0.0069	< 0.0070	< 0.0068	0.017 J

Notes:

Results reported in micrograms per liter (ug/L).

Italicized values exceed the Chapter NR140 Preventive Action Limit (PAL)

Bold values exceed the Chapter NR140 Enforcement Standard (ES)

NS = No established standard

J = Estimated concentration at or above the limit of detection and below the limit of quantitation.

N = Normal sample

FD = Field duplicate sample

TABLE A.2 Soil Analytical Results

BRRTS # 02-13-580721
SITE NAME: Oscar Mayer Facility
SITE ADDRESS: 910 Oscar Avenue Madison, WI 53704

						Location ID	SB-1	SB-2	SB-3	SB-4	SB-5	SB-6	SB-7
						Sample Type	N	N	N	N	N	N	N
						Sample Date	7/31/2017	7/31/2017	7/31/2017	7/31/2017	7/31/2017	7/31/2017	8/1/2017
						Sample Depth	1-1.5 ft	1-1.5 ft	8-10 ft	3-4 ft	4-5 ft	3-4 ft	10-12 ft
		Non-Industrial Direct Contact		Industrial Direct Contact		NR140	Unsat	Unsat	Sat	Unsat	Sat	Unsat	Sat
Parameter	**Unit**	**RCL**	**Basis**	**RCL**	**Basis**	**Soil to Groundwater (DF 2)**	DTW=6.0'	DTW=6.0'	DTW=6.5'	DTW=4.75'	DTW=4.5'	DTW=4.5'	DTW=7.0'
Metals													
Lead	mg/kg	400	nc	800	nc	27	9.2	37.6*	12.1	14	4.1	5.6	10.3
VOCs													
1,1,1,2-Tetrachloroethane	mg/kg	2.78	ca	12.3	ca	0.05341	< 0.025	< 0.025	< 0.125	< 0.025	< 0.5	< 0.025	< 0.05
1,1,1-Trichloroethane	mg/kg	640	Csat	640	Csat	0.1402	< 0.025	< 0.025	< 0.125	< 0.025	< 0.5	< 0.025	< 0.05
1,1,2,2-Tetrachloroethane	mg/kg	0.81	ca	3.6	ca	0.000156	< 0.025	< 0.025	< 0.125	< 0.025	< 0.5	< 0.025	< 0.05
1,1,2-Trichloroethane	mg/kg	1.59	ca	7.01	ca	0.00324	< 0.025 J	< 0.025 J	< 0.125 J	< 0.025 J	< 0.5 J	< 0.025 J	< 0.05 J
1,1-Dichloroethane	mg/kg	5.06	ca	22.2	ca	0.48342	< 0.025 J	< 0.025 J	< 0.125 J	< 0.025 J	< 0.5 J	< 0.025 J	< 0.05 J
1,1-Dichloroethene	mg/kg	320	nc	1190	Csat	0.00502	< 0.025	< 0.025	< 0.125	< 0.025	< 0.5	< 0.025	< 0.05
1,1-Dichloropropene	mg/kg	NS	NS	NS	NS	NS	< 0.025	< 0.025	< 0.125	< 0.025	< 0.5	< 0.025	< 0.05
1,2,3-Trichlorobenzene	mg/kg	62.6	nc	934	nc	NS	< 0.025	< 0.025	< 0.125	< 0.025	< 0.5	< 0.025	< 0.05
1,2,3-Trichloropropane	mg/kg	0.0051	ca	0.109	ca	0.05191	< 0.025	< 0.025	< 0.125	< 0.025	< 0.5	< 0.025	< 0.05
1,2,4-Trichlorobenzene	mg/kg	24	ca	113	ca	0.408	< 0.0476	< 0.0476	< 0.238	< 0.0476	< 0.951	< 0.0476	< 0.0951
1,2,4-Trimethylbenzene	mg/kg	219	Csat	219	Csat	NS	< 0.025	< 0.025	14.6	< 0.025	11.4	0.224	23.6
1,2-Dibromo-3-chloropropane	mg/kg	0.0075	ca	0.092	ca	0.000173	< 0.0912	< 0.0912	< 0.456	< 0.0912	< 1.82	< 0.0912	< 0.182
1,2-Dichlorobenzene	mg/kg	376	Csat	376	Csat	1.17	< 0.025	< 0.025	< 0.125	< 0.025	< 0.5	< 0.025	< 0.05
1,2-Dichloroethane	mg/kg	0.652	ca	2.87	ca	0.00284	< 0.025	< 0.025	< 0.125	< 0.025	< 0.5	< 0.025	< 0.05
1,2-Dichloropropane	mg/kg	3.4	ca	15	ca	0.00332	< 0.025	< 0.025	< 0.125	< 0.025	< 0.5	< 0.025	< 0.05
1,3,5-Trimethylbenzene	mg/kg	182	Csat	182	Csat	NS	< 0.025	< 0.025	5.45	< 0.025	24.9	< 0.025	6.37
1,3-Dichlorobenzene	mg/kg	297	Csat	297	Csat	1.15	< 0.025	< 0.025	< 0.125	< 0.025	< 0.5	< 0.025	< 0.05
1,3-Dichloropropane	mg/kg	1490	Csat	1490	Csat	NS	< 0.025	< 0.025	< 0.125	< 0.025	< 0.5	< 0.025	< 0.05
1,4-Dichlorobenzene	mg/kg	3.74	ca	16.4	ca	0.144	< 0.025	< 0.025	< 0.125	< 0.025	< 0.5	< 0.025	< 0.05
2,2-Dichloropropane	mg/kg	191	Csat	191	Csat	NS	< 0.025	< 0.025	< 0.125	< 0.025	< 0.5	< 0.025	< 0.05
4-Chlorotoluene	mg/kg	253	Csat	253	Csat	NS	< 0.025	< 0.025	< 0.125	< 0.025	< 0.5	< 0.025	< 0.05
4-Isopropyltoluene	mg/kg	162	Csat	162	Csat	NS	< 0.025	< 0.025	0.798	< 0.025	9.46	< 0.025	0.231
Benzene	mg/kg	1.6	ca	7.07	ca	0.00512	< 0.025	< 0.025	< 0.125	< 0.025	< 0.5	< 0.025	0.312
Bromobenzene	mg/kg	342	nc	679	Csat	NS	< 0.025	< 0.025	< 0.125	< 0.025	< 0.5	< 0.025	< 0.05
Bromodichloromethane	mg/kg	0.418	ca	1.83	ca	0.000326	< 0.025	< 0.025	< 0.125	< 0.025	< 0.5	< 0.025	< 0.05
Bromoform	mg/kg	25.4	ca	113	ca	0.002332	< 0.025	< 0.025	< 0.125	< 0.025	< 0.5	< 0.025	< 0.05
Carbon tetrachloride	mg/kg	0.916	ca	4.03	ca	0.00388	< 0.025	< 0.025	< 0.125	< 0.025	< 0.5	< 0.025	< 0.05
Chlorobenzene	mg/kg	370	nc	761	Csat	0.1358	< 0.025	< 0.025	< 0.125	< 0.025	< 0.5	< 0.025	< 0.05
Chlorobromomethane	mg/kg	216	nc	906	nc	NS	< 0.025	< 0.025	< 0.125	< 0.025	< 0.5	< 0.025	< 0.05
Chloroethane	mg/kg	2120	Csat	2120	Csat	0.2266	< 0.067	< 0.067	< 0.335	< 0.067	< 1.34	< 0.067	< 0.134
Chloroform	mg/kg	0.454	ca	1.98	ca	0.00333	< 0.0464	< 0.0464	< 0.232	< 0.0464	< 0.929	< 0.0464	< 0.0929
cis-1,2-Dichloroethene	mg/kg	156	nc	2340	nc	0.0412	< 0.025	< 0.025	< 0.125	< 0.025	< 0.5	< 0.025	< 0.05
cis-1,3-Dichloropropene	mg/kg	1210	Csat	1210	Csat	NS	< 0.025	< 0.025	< 0.125	< 0.025	< 0.5	< 0.025	< 0.05
Dibromochloromethane	mg/kg	8.28	ca	38.9	ca	0.03195	< 0.025	< 0.025	< 0.125	< 0.025	< 0.5	< 0.025	< 0.05
Dibromomethane	mg/kg	34	nc	143	nc	NS	< 0.025	< 0.025	< 0.125	< 0.025	< 0.5	< 0.025	< 0.05
Dichlorodifluoromethane (Freon 12)	mg/kg	126	nc	530	nc	3.09	< 0.025	< 0.025	< 0.125	< 0.025	< 0.5	< 0.025	< 0.05
Ethylbenzene	mg/kg	8.02	ca	35.4	ca	1.57	< 0.025	< 0.025	2.17	< 0.025	< 0.5	< 0.025	18.8
Ethylene dibromide	mg/kg	0.05	ca	0.221	ca	0.000028	< 0.025	< 0.025	< 0.125	< 0.025	< 0.5	< 0.025	< 0.05
Hexachlorobutadiene	mg/kg	1.63	ca	7.19	ca	NS	< 0.025	< 0.025	< 0.125	< 0.025	< 0.5	< 0.025	< 0.05
Isopropyl ether	mg/kg	2260	Csat	2260	Csat	NS	< 0.025	< 0.025	< 0.125	< 0.025	< 0.5	< 0.025	< 0.05
Isopropylbenzene (Cumene)	mg/kg	268	Csat	268	Csat	NS	< 0.025	< 0.025	0.933	< 0.025	2.76	< 0.025	1.47
m,p-Xylenes	mg/kg	NS	NS	NS	NS	NS	< 0.05	< 0.05	9.5	< 0.05	< 1	< 0.05	38.7
Methyl bromide	mg/kg	9.6	nc	43	nc	0.00506	< 0.0699	< 0.0699	< 0.35	< 0.0699	< 1.4	< 0.0699	< 0.14
Methyl chloride	mg/kg	159	nc	669	nc	0.01551	< 0.025	< 0.025	< 0.125	< 0.025	< 0.5	< 0.025	< 0.05
Methyl tert-butyl ether	mg/kg	63.8	ca	282	ca	0.02702	< 0.025	< 0.025	< 0.125	< 0.025	< 0.5	< 0.025	< 0.05
Methylene chloride	mg/kg	61.8	ca	1150	ca	0.00256	< 0.025	< 0.025	< 0.125	< 0.025	< 0.5	0.0346	< 0.05
Naphthalene	mg/kg	5.52	ca	24.1	ca	0.65818	< 0.04	< 0.04	5.87	< 0.04	6.22	0.0803	3.5
n-Butylbenzene	mg/kg	108	Csat	108	Csat	NS	< 0.025	< 0.025	4.16	< 0.025	17.9	< 0.025	1.73
n-Propylbenzene	mg/kg	264	Csat	264	Csat	NS	< 0.025	< 0.025	3.53	< 0.025	9.01	< 0.025	4.56
o-Chlorotoluene (2-chlorotoluene)	mg/kg	907	Csat	907	Csat	NS	< 0.025	< 0.025	< 0.125	< 0.025	< 0.5	< 0.025	< 0.05
o-Xylene	mg/kg	434	Csat	434	Csat	NS	< 0.025	< 0.025	1.43	< 0.025	< 0.5	< 0.025	0.178
sec-Butylbenzene	mg/kg	145	Csat	145	Csat	NS	< 0.025	< 0.025	0.713	< 0.025	9.34	< 0.025	0.256
Styrene	mg/kg	867	Csat	867	Csat	0.22	< 0.025	< 0.025	< 0.125	< 0.025	< 0.5	< 0.025	< 0.05
tert-Butylbenzene	mg/kg	183	Csat	183	Csat	NS	< 0.025	< 0.025	< 0.125	< 0.025	< 0.5	< 0.025	< 0.05
Tetrachloroethene	mg/kg	33	ca	145	ca	0.00454	< 0.025	< 0.025	< 0.125	< 0.025	< 0.5	< 0.025	< 0.05
Toluene	mg/kg	818	Csat	818	Csat	1.11	< 0.025	< 0.025	< 0.125	< 0.025	< 0.5	< 0.025	0.0724
trans-1,2-Dichloroethene	mg/kg	1560	nc	1850	Csat	0.0626	< 0.025	< 0.025	< 0.125	< 0.025	< 0.5	< 0.025	< 0.05
trans-1,3-Dichloropropene	mg/kg	1510	Csat	1510	Csat	NS	< 0.025	< 0.025	< 0.125	< 0.025	< 0.5	< 0.025	< 0.05
Trichloroethene	mg/kg	1.3	ca	8.41	ca	0.00358	< 0.025	< 0.025	< 0.125	< 0.025	< 0.5	< 0.025	< 0.05
Trichlorofluoromethane (Freon 11)	mg/kg	1230	Csat	1230	Csat	4.48	< 0.025	< 0.025	< 0.125	< 0.025	< 0.5	< 0.025	< 0.05
Vinyl chloride	mg/kg	0.067	ca	2.08	ca	0.000138	< 0.025	< 0.025	< 0.125	< 0.025	< 0.5	< 0.025	< 0.05
SVOCs													
1-Methylnaphthalene	mg/kg	17.6	ca	72.7	ca	NS	< 0.0044	< 0.0049	2.55	< 0.0054	0.251	0.026	0.0867
2-Methylnaphthalene	mg/kg	239	nc	3010	nc	NS	< 0.0055	< 0.0061	7.63	< 0.0067	0.472	0.0647	0.187
Acenaphthene	mg/kg	3590	nc	45200	nc	NS	< 0.0043	< 0.0047	< 0.0871	< 0.0052	< 0.0458	< 0.0051	< 0.005
Acenaphthylene	mg/kg	NS	NS	NS	NS	NS	< 0.0036	< 0.004	< 0.074	< 0.0044	< 0.0389	< 0.0044	< 0.0042
Anthracene	mg/kg	17900	nc	100000	ceiling	196.95	< 0.0063	< 0.007	< 0.128	< 0.0076	< 0.0674	< 0.0076	< 0.0074
Benzo(a)anthracene	mg/kg	1.14	ca	20.8	ca	NS	0.0063	0.0275	< 0.0712	0.0132	0.0395	< 0.0042	< 0.0041
Benzo(a)pyrene	mg/kg	*0.115*	ca	2.11	ca	0.47	0.0049	0.0301	< 0.0564	0.0135	< 0.0297	< 0.0033	< 0.0032
Benzo(b)fluoranthene	mg/kg	1.15	ca	21.1	ca	0.47809	0.0064	0.0419	< 0.0634	0.019	< 0.0334	< 0.0037	< 0.0036
Benzo(g,h,i)perylene	mg/kg	NS	NS	NS	NS	NS	0.0038	0.0245	< 0.0456	0.0107	< 0.024	< 0.0027	< 0.0026
Benzo(k)fluoranthene	mg/kg	11.5	ca	211	ca	NS	0.0033	0.0185	< 0.0563	0.009	< 0.0296	< 0.0033	< 0.0032
Chrysene	mg/kg	115	ca	2110	ca	0.14422	0.0052	0.0355	< 0.0757	0.0169	0.0434	< 0.0045	< 0.0043
Dibenzo(a,h)anthracene	mg/kg	0.115	ca	2.11	ca	NS	< 0.0025	0.0063	< 0.0502	0.0033	< 0.0264	< 0.003	< 0.0029
Fluoranthene	mg/kg	2390	nc	30100	nc	88.88	0.0081	0.0509	< 0.117	0.0285	0.11	< 0.0069	< 0.0067
Fluorene	mg/kg	2390	nc	30100	nc	14.83	< 0.0045	< 0.0051	0.188	< 0.0055	0.0506	< 0.0055	0.0101
Indeno(1,2,3-cd)pyrene	mg/kg	1.15	ca	21.1	ca	NS	0.003	0.0194	< 0.0494	0.0073	< 0.026	< 0.0029	< 0.0028
Naphthalene	mg/kg	5.52	ca	24.1	ca	0.65818	< 0.0092	< 0.0103	6.77	< 0.0113	2.25	0.0757	0.57
Phenanthrene	mg/kg	NS	NS	NS	NS	NS	< 0.0128	0.0188	< 0.262	0.0175	0.15	< 0.0155	< 0.015
Pyrene	mg/kg	1790	nc	22600	nc	54.55	0.0069	0.0409	< 0.101	0.0208	0.0944	< 0.006	< 0.0058

Notes:

Results reported in milligrams per kilogram (mg/kg).

Italic values exceed a non-industrial direct contact RCL

Bold values exceed an industrial direct contact RCL

Underlined values exceed the NR140 Migration from Soil to Groundwater Standard, dilution factor 2.

Csat = Saturation concentration

nc = non-carcinogen

ca = carcinogen

NS = No established standard

NA = Not analyzed

N = Normal sample

J = The analyte was positively identified; associated numerical value is the approximate concentration of the analyte in the sample.

Unsat = soil sample collected from unsaturated soils

Sat = soil sample collected from soils below groundwater

direct contact RCLs compared for soils collected from 0 to 4 feet below ground surface

* = analytical result is below the Background Threshold Value for lead of 52 mg/kg

TABLE A.2 Soil Analytical Results

BRRTS # 02-13-580721	
SITE NAME: Oscar Mayer Facility	
SITE ADDRESS: 910 Oscar Avenue Madison, WI 53704	

						Location ID	**SB-8**	**SB-9**	**FS-MW-01**	**FS-MW-01**	**FS-MW-02**	**FS-MW-02**	**FS-MW-03**
						Sample Type	**N**	**N**	**N**	**N**	**N**	**N**	**N**
						Sample Date	**8/1/2017**	**8/1/2017**	**4/3/2019**	**4/3/2019**	**4/3/2019**	**4/3/2019**	**4/2/2019**
						Sample Depth	**10-12 ft**	**4-5 ft**	**3.5-4.5 ft**	**4.5-5.5 ft**	**3.5-4.5 ft**	**4.5-5.5 ft**	**0.5-1.5 ft**
		Non-Industrial Direct Contact		**Industrial Direct Contact**		**NR140**	Sat	Sat	Sat	Sat	Sat	Sat	Unsat
Parameter	**Unit**	**RCL**	**Basis**	**RCL**	**Basis**	**Soil to Groundwater (DF 2)**	DTW=5.0'	DTW=4.75'	DTW=3.8'	DTW=3.8'	DTW=3.5'	DTW=3.5'	DTW=3.44'
Metals													
Lead	mg/kg	400	nc	800	nc	27	11	6.5	11.8	13.5	10.8	3.8 J	9.2
VOCs													
1,1,1,2-Tetrachloroethane	mg/kg	2.78	ca	12.3	ca	0.05341	< 0.025	< 0.2	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0284
1,1,1-Trichloroethane	mg/kg	640	Csat	640	Csat	0.1402	< 0.025	< 0.2	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0284
1,1,2,2-Tetrachloroethane	mg/kg	0.81	ca	3.6	ca	0.000156	< 0.025	< 0.2	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0284
1,1,2-Trichloroethane	mg/kg	1.59	ca	7.01	ca	0.00324	< 0.025 J	< 0.2 J	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0284
1,1-Dichloroethane	mg/kg	5.06	ca	22.2	ca	0.48342	< 0.025 J	< 0.2 J	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0284
1,1-Dichloroethene	mg/kg	320	nc	1190	Csat	0.00502	< 0.025	< 0.2	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0284
1,1-Dichloropropene	mg/kg	NS	NS	NS	NS	NS	< 0.025	< 0.2	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0284
1,2,3-Trichlorobenzene	mg/kg	62.6	nc	934	nc	NS	< 0.025	< 0.2	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0284
1,2,3-Trichloropropane	mg/kg	0.0051	ca	0.109	ca	0.05191	< 0.025	< 0.2	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0284
1,2,4-Trichlorobenzene	mg/kg	24	ca	113	ca	0.408	< 0.0476	< 0.38	< 0.0476	< 0.0476	< 0.0476	< 0.0476	< 0.0540
1,2,4-Trimethylbenzene	mg/kg	219	Csat	219	Csat	NS	0.122	< 0.2	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0284
1,2-Dibromo-3-chloropropane	mg/kg	0.0075	ca	0.092	ca	0.000173	< 0.0912	< 0.73	< 0.0912	< 0.0912	< 0.0912	< 0.0912	< 0.104
1,2-Dichlorobenzene	mg/kg	376	Csat	376	Csat	1.17	< 0.025	< 0.2	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0284
1,2-Dichloroethane	mg/kg	0.652	ca	2.87	ca	0.00284	< 0.025	< 0.2	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0284
1,2-Dichloropropane	mg/kg	3.4	ca	15	ca	0.00332	< 0.025	< 0.2	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0284
1,3,5-Trimethylbenzene	mg/kg	182	Csat	182	Csat	NS	0.561	0.855	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0284
1,3-Dichlorobenzene	mg/kg	297	Csat	297	Csat	1.15	< 0.025	< 0.2	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0284
1,3-Dichloropropane	mg/kg	1490	Csat	1490	Csat	NS	< 0.025	< 0.2	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0284
1,4-Dichlorobenzene	mg/kg	3.74	ca	16.4	ca	0.144	< 0.025	< 0.2	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0284
2,2-Dichloropropane	mg/kg	191	Csat	191	Csat	NS	< 0.025	< 0.2	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0284
4-Chlorotoluene	mg/kg	253	Csat	253	Csat	NS	< 0.025	< 0.2	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0284
4-Isopropyltoluene	mg/kg	162	Csat	162	Csat	NS	< 0.025	1.81	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0284
Benzene	mg/kg	1.6	ca	7.07	ca	0.00512	< 0.025	< 0.2	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0284
Bromobenzene	mg/kg	342	nc	679	Csat	NS	< 0.025	< 0.2	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0284
Bromodichloromethane	mg/kg	0.418	ca	1.83	ca	0.000326	< 0.025	< 0.2	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0284
Bromoform	mg/kg	25.4	ca	113	ca	0.002332	< 0.025	< 0.2	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0284
Carbon tetrachloride	mg/kg	0.916	ca	4.03	ca	0.00388	< 0.025	< 0.2	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0284
Chlorobenzene	mg/kg	370	nc	761	Csat	0.1358	< 0.025	< 0.2	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0284
Chlorobromomethane	mg/kg	216	nc	906	nc	NS	< 0.025	< 0.2	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0284
Chloroethane	mg/kg	2120	Csat	2120	Csat	0.2266	< 0.067	< 0.536	< 0.0670	< 0.0670	< 0.0670	< 0.0670	< 0.0762
Chloroform	mg/kg	0.454	ca	1.98	ca	0.00333	< 0.0464	< 0.372	< 0.0464	< 0.0464	< 0.0464	< 0.0464	< 0.0528
cis-1,2-Dichloroethene	mg/kg	156	nc	2340	nc	0.0412	< 0.025	< 0.2	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0284
cis-1,3-Dichloropropene	mg/kg	1210	Csat	1210	Csat	NS	< 0.025	< 0.2	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0284
Dibromochloromethane	mg/kg	8.28	ca	38.9	ca	0.03195	< 0.025	< 0.2	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0284
Dibromomethane	mg/kg	34	nc	143	nc	NS	< 0.025	< 0.2	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0284
Dichlorodifluoromethane (Freon 12)	mg/kg	126	nc	530	nc	3.09	< 0.025	< 0.2	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0284
Ethylbenzene	mg/kg	8.02	ca	35.4	ca	1.57	< 0.025	< 0.2	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0284
Ethylene dibromide	mg/kg	0.05	ca	0.221	ca	0.000028	< 0.025	< 0.2	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0284
Hexachlorobutadiene	mg/kg	1.63	ca	7.19	ca	NS	< 0.025	< 0.2	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0284
Isopropyl ether	mg/kg	2260	Csat	2260	Csat	NS	< 0.025	< 0.2	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0284
Isopropylbenzene (Cumene)	mg/kg	268	Csat	268	Csat	NS	0.0635	0.927	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0284
m,p-Xylenes	mg/kg	NS	NS	NS	NS	NS	< 0.05	< 0.4	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0568
Methyl bromide	mg/kg	9.6	nc	43	nc	0.00506	< 0.0699	< 0.559	< 0.0699	< 0.0699	< 0.0699	< 0.0699	< 0.0794
Methyl chloride	mg/kg	159	nc	669	nc	0.01551	< 0.025	< 0.2	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0284
Methyl tert-butyl ether	mg/kg	63.8	ca	282	ca	0.02702	< 0.025	< 0.2	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0284
Methylene chloride	mg/kg	61.8	ca	1150	ca	0.00256	< 0.025	< 0.2	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0284
Naphthalene	mg/kg	5.52	ca	24.1	ca	0.65818	< 0.04	3.18	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0455
n-Butylbenzene	mg/kg	108	Csat	108	Csat	NS	< 0.025	7.19	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0284
n-Propylbenzene	mg/kg	264	Csat	264	Csat	NS	0.322	3.42	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0284
o-Chlorotoluene (2-chlorotoluene)	mg/kg	907	Csat	907	Csat	NS	< 0.025	< 0.2	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0284
o-Xylene	mg/kg	434	Csat	434	Csat	NS	< 0.025	< 0.2	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0284
sec-Butylbenzene	mg/kg	145	Csat	145	Csat	NS	0.161	5.27	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0284
Styrene	mg/kg	867	Csat	867	Csat	0.22	< 0.025	< 0.2	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0284
tert-Butylbenzene	mg/kg	183	Csat	183	Csat	NS	< 0.025	0.469	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0284
Tetrachloroethene	mg/kg	33	ca	145	ca	0.00454	< 0.025	< 0.2	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0284
Toluene	mg/kg	818	Csat	818	Csat	1.11	< 0.025	< 0.2	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0284
trans-1,2-Dichloroethene	mg/kg	1560	nc	1850	Csat	0.0626	< 0.025	< 0.2	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0284
trans-1,3-Dichloropropene	mg/kg	1510	Csat	1510	Csat	NS	< 0.025	< 0.2	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0284
Trichloroethene	mg/kg	1.3	ca	8.41	ca	0.00358	< 0.025	< 0.2	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0284
Trichlorofluoromethane (Freon 11)	mg/kg	1230	Csat	1230	Csat	4.48	< 0.025	< 0.2	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0284
Vinyl chloride	mg/kg	0.067	ca	2.08	ca	0.000138	< 0.025	< 0.2	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0284
SVOCs													
1-Methylnaphthalene	mg/kg	17.6	ca	72.7	ca	NS	0.0069	3.3	< 0.0051	< 0.0051	< 0.0051	< 0.0059	< 0.0049
2-Methylnaphthalene	mg/kg	239	nc	3010	nc	NS	< 0.0077	4.16	< 0.0064	< 0.0064	< 0.0064	< 0.0073	< 0.0061
Acenaphthene	mg/kg	3590	nc	45200	nc	NS	< 0.006	0.169	< 0.0050	< 0.0049	< 0.0049	< 0.0056	< 0.0047
Acenaphthylene	mg/kg	NS	NS	NS	NS	NS	< 0.0051	0.0791	< 0.0042	< 0.0042	< 0.0042	< 0.0048	< 0.0040
Anthracene	mg/kg	17900	nc	100000	ceiling	196.95	< 0.0088	< 0.065	< 0.0073	< 0.0073	< 0.0073	< 0.0083	< 0.0069
Benzo(a)anthracene	mg/kg	1.14	ca	20.8	ca	NS	< 0.0049	0.0526	0.0042 J	< 0.0040	< 0.0040	< 0.0046	0.0066 J
Benzo(a)pyrene	mg/kg	*0.115*	ca	2.11	ca	0.47	< 0.0039	0.0352	< 0.0032	< 0.0032	< 0.0032	< 0.0037	0.0045 J
Benzo(b)fluoranthene	mg/kg	1.15	ca	21.1	ca	0.47809	< 0.0044	0.0415	0.0050 J	< 0.0036	< 0.0036	< 0.0041	0.0074 J
Benzo(g,h,i)perylene	mg/kg	NS	NS	NS	NS	NS	< 0.0031	< 0.0231	0.0033 J	< 0.0026	< 0.0026	< 0.0030	0.0038 J
Benzo(k)fluoranthene	mg/kg	11.5	ca	211	ca	NS	< 0.0039	< 0.0286	< 0.0032	< 0.0032	< 0.0032	< 0.0036	< 0.0030
Chrysene	mg/kg	115	ca	2110	ca	0.14422	< 0.0052	0.0586	0.0047 J	< 0.0043	< 0.0043	< 0.0049	0.0065 J
Dibenzo(a,h)anthracene	mg/kg	0.115	ca	2.11	ca	NS	< 0.0035	< 0.0254	< 0.0029	< 0.0028	< 0.0028	< 0.0033	< 0.0027
Fluoranthene	mg/kg	2390	nc	30100	nc	88.88	< 0.008	0.0846	0.0067 J	< 0.0066	< 0.0066	< 0.0076	0.0113 J
Fluorene	mg/kg	2390	nc	30100	nc	14.83	< 0.0064	0.206	< 0.0053	< 0.0053	< 0.0053	< 0.0060	< 0.0050
Indeno(1,2,3-cd)pyrene	mg/kg	1.15	ca	21.1	ca	NS	< 0.0034	< 0.025	< 0.0028	< 0.0028	< 0.0028	< 0.0032	0.0028 J
Naphthalene	mg/kg	5.52	ca	24.1	ca	0.65818	< 0.013	1.96	< 0.0108	< 0.0107	< 0.0107	< 0.0122	< 0.0102
Phenanthrene	mg/kg	NS	NS	NS	NS	NS	< 0.018	0.617	< 0.0149	< 0.0148	< 0.0148	< 0.0169	< 0.0141
Pyrene	mg/kg	1790	nc	22600	nc	54.55	< 0.007	0.0781	< 0.0058	< 0.0057	< 0.0057	< 0.0066	0.0083 J

Notes:

Results reported in milligrams per kilogram (mg/kg).

Italic values exceed a non-industrial direct contact RCL

Bold values exceed an industrial direct contact RCL

Underlined values exceed the NR140 Migration from Soil to Groundwater Standard, dilution factor 2.

Csat = Saturation concentration

nc = non-carcinogen

ca = carcinogen

NS = No established standard

NA = Not analyzed

N = Normal sample

J = The analyte was positively identified; associated numerical value is the approximate concentration of the analyte in the sample.

Unsat = soil sample collected from unsaturated soils

Sat = soil sample collected from soils below groundwater

direct contact RCLs compared for soils collected from 0 to 4 feet below ground surface

* = analytical result is below the Background Threshold Value for lead of 52 mg/kg

TABLE A.2 Soil Analytical Results

BRRTS # 02-13-580721	
SITE NAME: Oscar Mayer Facility	
SITE ADDRESS: 910 Oscar Avenue Madison, WI 53704	

						Location ID	**FS-MW-03**	**FS-MW-04**	**FS-MW-05**	**FS-MW-06**	**FS-MW-06**	**FS-MW-07**	**FS-MW-08**
						Sample Type	**N**	**N**	**N**	**N**	**N**	**N**	**N**
						Sample Date	**4/2/2019**	**4/2/2019**	**4/2/2019**	**4/3/2019**	**4/3/2019**	**4/4/2019**	**4/4/2019**
						Sample Depth	**1.5-2.5 ft**	**2.5-3.5 ft**	**2.5-3.5 ft**	**3.5-4.5 ft**	**4.5-5.5 ft**	**4.5-5.5 ft**	**3.5-4.5 ft**
		Non-Industrial Direct Contact		**Industrial Direct Contact**		**NR140**	Unsat	Unsat	Unsat	Unsat	Sat	Sat	Sat
Parameter	**Unit**	**RCL**	**Basis**	**RCL**	**Basis**	**Soil to Groundwater (DF 2)**	DTW=3.44'	DTW=3.74'	DTW=5.08'	DTW=4.22'	DTW=4.22'	DTW=4.16'	DTW=3.33'
Metals													
Lead	mg/kg	400	nc	800	nc	27	5.5	1.3 J	2.9	9	7	11	19.5
VOCs													
1,1,1,2-Tetrachloroethane	mg/kg	2.78	ca	12.3	ca	0.05341	< 0.0269	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
1,1,1-Trichloroethane	mg/kg	640	Csat	640	Csat	0.1402	< 0.0269	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
1,1,2,2-Tetrachloroethane	mg/kg	0.81	ca	3.6	ca	0.000156	< 0.0269	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
1,1,2-Trichloroethane	mg/kg	1.59	ca	7.01	ca	0.00324	< 0.0269	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
1,1-Dichloroethane	mg/kg	5.06	ca	22.2	ca	0.48342	< 0.0269	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
1,1-Dichloroethene	mg/kg	320	nc	1190	Csat	0.00502	< 0.0269	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
1,1-Dichloropropene	mg/kg	NS	NS	NS	NS	NS	< 0.0269	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
1,2,3-Trichlorobenzene	mg/kg	62.6	nc	934	nc	NS	< 0.0269	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
1,2,3-Trichloropropane	mg/kg	0.0051	ca	0.109	ca	0.05191	< 0.0269	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
1,2,4-Trichlorobenzene	mg/kg	24	ca	113	ca	0.408	< 0.0511	< 0.0476	< 0.0476	< 0.0476	< 0.0476	< 0.0476	< 0.0476
1,2,4-Trimethylbenzene	mg/kg	219	Csat	219	Csat	NS	< 0.0269	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
1,2-Dibromo-3-chloropropane	mg/kg	0.0075	ca	0.092	ca	0.000173	< 0.0981	< 0.0912	< 0.0912	< 0.0912	< 0.0912	< 0.0912	< 0.0912
1,2-Dichlorobenzene	mg/kg	376	Csat	376	Csat	1.17	< 0.0269	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
1,2-Dichloroethane	mg/kg	0.652	ca	2.87	ca	0.00284	< 0.0269	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
1,2-Dichloropropane	mg/kg	3.4	ca	15	ca	0.00332	< 0.0269	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
1,3,5-Trimethylbenzene	mg/kg	182	Csat	182	Csat	NS	< 0.0269	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
1,3-Dichlorobenzene	mg/kg	297	Csat	297	Csat	1.15	< 0.0269	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
1,3-Dichloropropane	mg/kg	1490	Csat	1490	Csat	NS	< 0.0269	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
1,4-Dichlorobenzene	mg/kg	3.74	ca	16.4	ca	0.144	< 0.0269	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
2,2-Dichloropropane	mg/kg	191	Csat	191	Csat	NS	< 0.0269	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
4-Chlorotoluene	mg/kg	253	Csat	253	Csat	NS	< 0.0269	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
4-Isopropyltoluene	mg/kg	162	Csat	162	Csat	NS	< 0.0269	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
Benzene	mg/kg	1.6	ca	7.07	ca	0.00512	< 0.0269	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
Bromobenzene	mg/kg	342	nc	679	Csat	NS	< 0.0269	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
Bromodichloromethane	mg/kg	0.418	ca	1.83	ca	0.000326	< 0.0269	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
Bromoform	mg/kg	25.4	ca	113	ca	0.002332	< 0.0269	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
Carbon tetrachloride	mg/kg	0.916	ca	4.03	ca	0.00388	< 0.0269	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
Chlorobenzene	mg/kg	370	nc	761	Csat	0.1358	< 0.0269	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
Chlorobromomethane	mg/kg	216	nc	906	nc	NS	< 0.0269	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
Chloroethane	mg/kg	2120	Csat	2120	Csat	0.2266	< 0.0721	< 0.0670	< 0.0670	< 0.0670	< 0.0670	< 0.0670	< 0.0670
Chloroform	mg/kg	0.454	ca	1.98	ca	0.00333	< 0.0499	< 0.0464	< 0.0464	< 0.0464	< 0.0464	< 0.0464	< 0.0464
cis-1,2-Dichloroethene	mg/kg	156	nc	2340	nc	0.0412	< 0.0269	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
cis-1,3-Dichloropropene	mg/kg	1210	Csat	1210	Csat	NS	< 0.0269	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
Dibromochloromethane	mg/kg	8.28	ca	38.9	ca	0.03195	< 0.0269	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
Dibromomethane	mg/kg	34	nc	143	nc	NS	< 0.0269	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
Dichlorodifluoromethane (Freon 12)	mg/kg	126	nc	530	nc	3.09	< 0.0269	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
Ethylbenzene	mg/kg	8.02	ca	35.4	ca	1.57	< 0.0269	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
Ethylene dibromide	mg/kg	0.05	ca	0.221	ca	0.000028	< 0.0269	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
Hexachlorobutadiene	mg/kg	1.63	ca	7.19	ca	NS	< 0.0269	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
Isopropyl ether	mg/kg	2260	Csat	2260	Csat	NS	< 0.0269	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
Isopropylbenzene (Cumene)	mg/kg	268	Csat	268	Csat	NS	< 0.0269	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
m,p-Xylenes	mg/kg	NS	NS	NS	NS	NS	< 0.0538	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Methyl bromide	mg/kg	9.6	nc	43	nc	0.00506	< 0.0752	< 0.0699	< 0.0699	< 0.0699	< 0.0699	< 0.0699	< 0.0699
Methyl chloride	mg/kg	159	nc	669	nc	0.01551	< 0.0269	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
Methyl tert-butyl ether	mg/kg	63.8	ca	282	ca	0.02702	< 0.0269	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
Methylene chloride	mg/kg	61.8	ca	1150	ca	0.00256	< 0.0269	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
Naphthalene	mg/kg	5.52	ca	24.1	ca	0.65818	< 0.0431	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400
n-Butylbenzene	mg/kg	108	Csat	108	Csat	NS	< 0.0269	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
n-Propylbenzene	mg/kg	264	Csat	264	Csat	NS	< 0.0269	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
o-Chlorotoluene (2-chlorotoluene)	mg/kg	907	Csat	907	Csat	NS	< 0.0269	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
o-Xylene	mg/kg	434	Csat	434	Csat	NS	< 0.0269	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
sec-Butylbenzene	mg/kg	145	Csat	145	Csat	NS	< 0.0269	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
Styrene	mg/kg	867	Csat	867	Csat	0.22	< 0.0269	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
tert-Butylbenzene	mg/kg	183	Csat	183	Csat	NS	< 0.0269	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
Tetrachloroethene	mg/kg	33	ca	145	ca	0.00454	< 0.0269	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
Toluene	mg/kg	818	Csat	818	Csat	1.11	< 0.0269	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
trans-1,2-Dichloroethene	mg/kg	1560	nc	1850	Csat	0.0626	< 0.0269	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
trans-1,3-Dichloropropene	mg/kg	1510	Csat	1510	Csat	NS	< 0.0269	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
Trichloroethene	mg/kg	1.3	ca	8.41	ca	0.00358	< 0.0269	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
Trichlorofluoromethane (Freon 11)	mg/kg	1230	Csat	1230	Csat	4.48	< 0.0269	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
Vinyl chloride	mg/kg	0.067	ca	2.08	ca	0.000138	< 0.0269	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
SVOCs													
1-Methylnaphthalene	mg/kg	17.6	ca	72.7	ca	NS	< 0.0083	< 0.0049	< 0.0044	< 0.0050	< 0.0049	0.0181	0.0153 J
2-Methylnaphthalene	mg/kg	239	nc	3010	nc	NS	< 0.0104	< 0.0061	< 0.0055	< 0.0063	< 0.0061	0.0155 J	0.0124 J
Acenaphthene	mg/kg	3590	nc	45200	nc	NS	< 0.0080	< 0.0047	< 0.0043	< 0.0049	< 0.0047	0.0098 J	0.0274
Acenaphthylene	mg/kg	NS	NS	NS	NS	NS	< 0.0068	< 0.0040	< 0.0036	< 0.0041	< 0.0040	0.0058 J	0.047
Anthracene	mg/kg	17900	nc	100000	ceiling	196.95	< 0.0118	< 0.0069	< 0.0063	< 0.0072	< 0.0070	0.0405	0.134
Benzo(a)anthracene	mg/kg	1.14	ca	20.8	ca	NS	< 0.0066	< 0.0038	< 0.0035	< 0.0040	< 0.0039	0.0669	0.336
Benzo(a)pyrene	mg/kg	*0.115*	ca	2.11	ca	0.47	< 0.0052	< 0.0030	< 0.0028	< 0.0032	< 0.0031	0.0734	*0.419*
Benzo(b)fluoranthene	mg/kg	1.15	ca	21.1	ca	0.47809	< 0.0059	< 0.0034	< 0.0031	< 0.0035	< 0.0034	0.0865	0.512
Benzo(g,h,i)perylene	mg/kg	NS	NS	NS	NS	NS	< 0.0042	< 0.0025	< 0.0022	< 0.0026	< 0.0025	0.0465	0.337
Benzo(k)fluoranthene	mg/kg	11.5	ca	211	ca	NS	< 0.0052	< 0.0030	< 0.0028	< 0.0031	< 0.0031	0.0335	0.178
Chrysene	mg/kg	115	ca	2110	ca	0.14422	< 0.0070	< 0.0041	< 0.0037	< 0.0042	< 0.0041	0.0738	0.303
Dibenzo(a,h)anthracene	mg/kg	0.115	ca	2.11	ca	NS	< 0.0046	< 0.0027	< 0.0025	< 0.0028	< 0.0027	0.0133	0.0941
Fluoranthene	mg/kg	2390	nc	30100	nc	88.88	< 0.0108	< 0.0063	< 0.0057	< 0.0065	< 0.0064	0.18	0.661
Fluorene	mg/kg	2390	nc	30100	nc	14.83	< 0.0086	< 0.0050	< 0.0045	< 0.0052	< 0.0050	0.0166	0.0512
Indeno(1,2,3-cd)pyrene	mg/kg	1.15	ca	21.1	ca	NS	< 0.0046	< 0.0027	< 0.0024	< 0.0028	< 0.0027	0.0343	0.253
Naphthalene	mg/kg	5.52	ca	24.1	ca	0.65818	< 0.0175	< 0.0102	< 0.0092	< 0.0106	< 0.0103	< 0.0094	0.0308 J
Phenanthrene	mg/kg	NS	NS	NS	NS	NS	< 0.0242	< 0.0141	< 0.0128	< 0.0146	< 0.0142	0.135	0.326
Pyrene	mg/kg	1790	nc	22600	nc	54.55	< 0.0094	< 0.0055	< 0.0049	< 0.0057	< 0.0055	0.134	0.505

Notes:

Results reported in milligrams per kilogram (mg/kg).

Italic values exceed a non-industrial direct contact RCL

Bold values exceed an industrial direct contact RCL

Underlined values exceed the NR140 Migration from Soil to Groundwater Standard, dilution factor 2.

Csat = Saturation concentration

nc = non-carcinogen

ca = carcinogen

NS = No established standard

NA = Not analyzed

N = Normal sample

J = The analyte was positively identified; associated numerical value is the approximate concentration of the analyte in the sample.

Unsat = soil sample collected from unsaturated soils

Sat = soil sample collected from soils below groundwater

direct contact RCLs compared for soils collected from 0 to 4 feet below ground surface

* = analytical result is below the Background Threshold Value for lead of 52 mg/kg

TABLE A.2 Soil Analytical Results

BRRTS # 02-13-580721	
SITE NAME: Oscar Mayer Facility	
SITE ADDRESS: 910 Oscar Avenue Madison, WI 53704	

						Location ID	**FS-MW-08**	**FS-MW-09**	**FS-MW-09**	**FS-MW-10**	**FS-MW-10**	**FS-MW-11**	**FS-MW-11**
						Sample Type	**N**	**N**	**N**	**N**	**N**	**N**	**N**
						Sample Date	**4/4/2019**	**4/2/2019**	**4/2/2019**	**4/3/2019**	**4/3/2019**	**4/3/2019**	**4/3/2019**
						Sample Depth	**4.5-5.5 ft**	**5.5-6.5 ft**	**6.5-7.5 ft**	**3.5-4.5 ft**	**4.5-5.5 ft**	**4.5-5.5 ft**	**6.5-7.5 ft**
		Non-Industrial Direct Contact		**Industrial Direct Contact**		**NR140**	Sat	Sat	Sat	Unsat	Sat	Unsat	Sat
Parameter	**Unit**	**RCL**	**Basis**	**RCL**	**Basis**	**Soil to Groundwater (DF 2)**	DTW=3.33'	DTW=6.14'	DTW=6.14'	DTW=4.64'	DTW=4.64'	DTW=5.83'	DTW=5.83'
Metals													
Lead	mg/kg	400	nc	800	nc	27	11.2	11.3	8.6	23.8	17.8	9.9	49.1*
VOCs													
1,1,1,2-Tetrachloroethane	mg/kg	2.78	ca	12.3	ca	0.05341	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
1,1,1-Trichloroethane	mg/kg	640	Csat	640	Csat	0.1402	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
1,1,2,2-Tetrachloroethane	mg/kg	0.81	ca	3.6	ca	0.000156	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
1,1,2-Trichloroethane	mg/kg	1.59	ca	7.01	ca	0.00324	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
1,1-Dichloroethane	mg/kg	5.06	ca	22.2	ca	0.48342	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
1,1-Dichloroethene	mg/kg	320	nc	1190	Csat	0.00502	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
1,1-Dichloropropene	mg/kg	NS	NS	NS	NS	NS	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
1,2,3-Trichlorobenzene	mg/kg	62.6	nc	934	nc	NS	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
1,2,3-Trichloropropane	mg/kg	0.0051	ca	0.109	ca	0.05191	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
1,2,4-Trichlorobenzene	mg/kg	24	ca	113	ca	0.408	< 0.0476	< 0.0476	< 0.0476	< 0.0476	< 0.0476	< 0.0476	< 0.0476
1,2,4-Trimethylbenzene	mg/kg	219	Csat	219	Csat	NS	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
1,2-Dibromo-3-chloropropane	mg/kg	0.0075	ca	0.092	ca	0.000173	< 0.0912	< 0.0912	< 0.0912	< 0.0912	< 0.0912	< 0.0912	< 0.0912
1,2-Dichlorobenzene	mg/kg	376	Csat	376	Csat	1.17	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
1,2-Dichloroethane	mg/kg	0.652	ca	2.87	ca	0.00284	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
1,2-Dichloropropane	mg/kg	3.4	ca	15	ca	0.00332	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
1,3,5-Trimethylbenzene	mg/kg	182	Csat	182	Csat	NS	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
1,3-Dichlorobenzene	mg/kg	297	Csat	297	Csat	1.15	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
1,3-Dichloropropane	mg/kg	1490	Csat	1490	Csat	NS	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
1,4-Dichlorobenzene	mg/kg	3.74	ca	16.4	ca	0.144	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
2,2-Dichloropropane	mg/kg	191	Csat	191	Csat	NS	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
4-Chlorotoluene	mg/kg	253	Csat	253	Csat	NS	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
4-Isopropyltoluene	mg/kg	162	Csat	162	Csat	NS	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
Benzene	mg/kg	1.6	ca	7.07	ca	0.00512	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
Bromobenzene	mg/kg	342	nc	679	Csat	NS	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
Bromodichloromethane	mg/kg	0.418	ca	1.83	ca	0.000326	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
Bromoform	mg/kg	25.4	ca	113	ca	0.002332	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
Carbon tetrachloride	mg/kg	0.916	ca	4.03	ca	0.00388	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
Chlorobenzene	mg/kg	370	nc	761	Csat	0.1358	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
Chlorobromomethane	mg/kg	216	nc	906	nc	NS	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
Chloroethane	mg/kg	2120	Csat	2120	Csat	0.2266	< 0.0670	< 0.0670	< 0.0670	< 0.0670	< 0.0670	< 0.0670	< 0.0670
Chloroform	mg/kg	0.454	ca	1.98	ca	0.00333	< 0.0464	< 0.0464	< 0.0464	< 0.0464	< 0.0464	< 0.0464	< 0.0464
cis-1,2-Dichloroethene	mg/kg	156	nc	2340	nc	0.0412	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
cis-1,3-Dichloropropene	mg/kg	1210	Csat	1210	Csat	NS	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
Dibromochloromethane	mg/kg	8.28	ca	38.9	ca	0.03195	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
Dibromomethane	mg/kg	34	nc	143	nc	NS	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
Dichlorodifluoromethane (Freon 12)	mg/kg	126	nc	530	nc	3.09	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
Ethylbenzene	mg/kg	8.02	ca	35.4	ca	1.57	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
Ethylene dibromide	mg/kg	0.05	ca	0.221	ca	0.000028	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
Hexachlorobutadiene	mg/kg	1.63	ca	7.19	ca	NS	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
Isopropyl ether	mg/kg	2260	Csat	2260	Csat	NS	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
Isopropylbenzene (Cumene)	mg/kg	268	Csat	268	Csat	NS	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
m,p-Xylenes	mg/kg	NS	NS	NS	NS	NS	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Methyl bromide	mg/kg	9.6	nc	43	nc	0.00506	< 0.0699	< 0.0699	< 0.0699	< 0.0699	< 0.0699	< 0.0699	< 0.0699
Methyl chloride	mg/kg	159	nc	669	nc	0.01551	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
Methyl tert-butyl ether	mg/kg	63.8	ca	282	ca	0.02702	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
Methylene chloride	mg/kg	61.8	ca	1150	ca	0.00256	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
Naphthalene	mg/kg	5.52	ca	24.1	ca	0.65818	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400
n-Butylbenzene	mg/kg	108	Csat	108	Csat	NS	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
n-Propylbenzene	mg/kg	264	Csat	264	Csat	NS	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
o-Chlorotoluene (2-chlorotoluene)	mg/kg	907	Csat	907	Csat	NS	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
o-Xylene	mg/kg	434	Csat	434	Csat	NS	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
sec-Butylbenzene	mg/kg	145	Csat	145	Csat	NS	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
Styrene	mg/kg	867	Csat	867	Csat	0.22	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
tert-Butylbenzene	mg/kg	183	Csat	183	Csat	NS	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
Tetrachloroethene	mg/kg	33	ca	145	ca	0.00454	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
Toluene	mg/kg	818	Csat	818	Csat	1.11	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
trans-1,2-Dichloroethene	mg/kg	1560	nc	1850	Csat	0.0626	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
trans-1,3-Dichloropropene	mg/kg	1510	Csat	1510	Csat	NS	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
Trichloroethene	mg/kg	1.3	ca	8.41	ca	0.00358	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
Trichlorofluoromethane (Freon 11)	mg/kg	1230	Csat	1230	Csat	4.48	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
Vinyl chloride	mg/kg	0.067	ca	2.08	ca	0.000138	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
SVOCs													
1-Methylnaphthalene	mg/kg	17.6	ca	72.7	ca	NS	< 0.0054	< 0.0052	< 0.0050	0.0481 J	0.0081 J	< 0.0049	0.0179
2-Methylnaphthalene	mg/kg	239	nc	3010	nc	NS	< 0.0067	< 0.0065	< 0.0062	0.0661 J	0.0145 J	< 0.0061	0.023
Acenaphthene	mg/kg	3590	nc	45200	nc	NS	< 0.0052	< 0.0050	< 0.0048	0.104	< 0.0050	< 0.0047	0.0108 J
Acenaphthylene	mg/kg	NS	NS	NS	NS	NS	< 0.0044	< 0.0043	< 0.0041	0.105	< 0.0043	< 0.0040	0.0114 J
Anthracene	mg/kg	17900	nc	100000	ceiling	196.95	< 0.0076	< 0.0074	< 0.0071	0.259	0.0094 J	< 0.0069	0.0264
Benzo(a)anthracene	mg/kg	1.14	ca	20.8	ca	NS	< 0.0042	< 0.0041	< 0.0039	0.638	0.0239	0.0054 J	0.0642
Benzo(a)pyrene	mg/kg	*0.115*	ca	2.11	ca	0.47	< 0.0034	< 0.0032	< 0.0031	*0.714*	0.023	0.0036 J	0.0658
Benzo(b)fluoranthene	mg/kg	1.15	ca	21.1	ca	0.47809	< 0.0038	< 0.0036	< 0.0035	0.847	0.0384	0.0071 J	0.0933
Benzo(g,h,i)perylene	mg/kg	NS	NS	NS	NS	NS	< 0.0027	< 0.0026	< 0.0025	0.306	0.0201	0.0037 J	0.0454
Benzo(k)fluoranthene	mg/kg	11.5	ca	211	ca	NS	< 0.0034	< 0.0032	< 0.0031	0.187	0.0138	0.0033 J	0.0397
Chrysene	mg/kg	115	ca	2110	ca	0.14422	< 0.0045	< 0.0044	< 0.0042	0.493	0.0316	0.0065 J	0.0825
Dibenzo(a,h)anthracene	mg/kg	0.115	ca	2.11	ca	NS	< 0.0030	< 0.0029	< 0.0028	0.0841	0.0048 J	< 0.0027	0.0118
Fluoranthene	mg/kg	2390	nc	30100	nc	88.88	< 0.0070	< 0.0067	< 0.0065	1.06	0.0569	0.0135 J	0.18
Fluorene	mg/kg	2390	nc	30100	nc	14.83	< 0.0055	< 0.0053	< 0.0051	0.155	< 0.0054	< 0.0050	0.0218
Indeno(1,2,3-cd)pyrene	mg/kg	1.15	ca	21.1	ca	NS	< 0.0029	< 0.0028	< 0.0027	0.193	0.0141	< 0.0027	0.0354
Naphthalene	mg/kg	5.52	ca	24.1	ca	0.65818	< 0.0113	< 0.0109	0.0136 J	0.0608 J	< 0.0109	< 0.0102	0.0472
Phenanthrene	mg/kg	NS	NS	NS	NS	NS	< 0.0156	< 0.0150	< 0.0144	0.834	0.0400 J	< 0.0141	0.133
Pyrene	mg/kg	1790	nc	22600	nc	54.55	< 0.0060	< 0.0058	< 0.0056	1.48	0.042	0.0102 J	0.135

Notes:

Results reported in milligrams per kilogram (mg/kg).

Italic values exceed a non-industrial direct contact RCL

Bold values exceed an industrial direct contact RCL

Underlined values exceed the NR140 Migration from Soil to Groundwater Standard, dilution factor 2.

Csat = Saturation concentration

nc = non-carcinogen

ca = carcinogen

NS = No established standard

NA = Not analyzed

N = Normal sample

J = The analyte was positively identified; associated numerical value is the approximate concentration of the analyte in the sample.

Unsat = soil sample collected from unsaturated soils

Sat = soil sample collected from soils below groundwater

direct contact RCLs compared for soils collected from 0 to 4 feet below ground surface

* = analytical result is below the Background Threshold Value for lead of 52 mg/kg

TABLE A.2 Soil Analytical Results

BRRTS # 02-13-580721	
SITE NAME: Oscar Mayer Facility	
SITE ADDRESS: 910 Oscar Avenue Madison, WI 53704	

						Location ID	**FS-MW-12**	**FS-MW-13**	**FS-MW-13**
						Sample Type	**N**	**N**	**N**
						Sample Date	**4/2/2019**	**4/3/2019**	**4/3/2019**
						Sample Depth	**4.5-5.5 ft**	**4.5-5.5 ft**	**5.5-6.5 ft**
		Non-Industrial Direct Contact		**Industrial Direct Contact**		**NR140**	Unsat	Unsat	Sat
Parameter	**Unit**	**RCL**	**Basis**	**RCL**	**Basis**	**Soil to Groundwater (DF 2)**	DTW=7.09'	DTW=6.4'	DTW=6.4'
Metals									
Lead	mg/kg	400	nc	800	nc	27	1.7 J	10.8	9.3
VOCs									
1,1,1,2-Tetrachloroethane	mg/kg	2.78	ca	12.3	ca	0.05341	< 0.0250	< 0.0250	< 0.0250
1,1,1-Trichloroethane	mg/kg	640	Csat	640	Csat	0.1402	< 0.0250	< 0.0250	< 0.0250
1,1,2,2-Tetrachloroethane	mg/kg	0.81	ca	3.6	ca	0.000156	< 0.0250	< 0.0250	< 0.0250
1,1,2-Trichloroethane	mg/kg	1.59	ca	7.01	ca	0.00324	< 0.0250	< 0.0250	< 0.0250
1,1-Dichloroethane	mg/kg	5.06	ca	22.2	ca	0.48342	< 0.0250	< 0.0250	< 0.0250
1,1-Dichloroethene	mg/kg	320	nc	1190	Csat	0.00502	< 0.0250	< 0.0250	< 0.0250
1,1-Dichloropropene	mg/kg	NS	NS	NS	NS	NS	< 0.0250	< 0.0250	< 0.0250
1,2,3-Trichlorobenzene	mg/kg	62.6	nc	934	nc	NS	< 0.0250	< 0.0250	< 0.0250
1,2,3-Trichloropropane	mg/kg	0.0051	ca	0.109	ca	0.05191	< 0.0250	< 0.0250	< 0.0250
1,2,4-Trichlorobenzene	mg/kg	24	ca	113	ca	0.408	< 0.0476	< 0.0476	< 0.0476
1,2,4-Trimethylbenzene	mg/kg	219	Csat	219	Csat	NS	< 0.0250	< 0.0250	< 0.0250
1,2-Dibromo-3-chloropropane	mg/kg	0.0075	ca	0.092	ca	0.000173	< 0.0912	< 0.0912	< 0.0912
1,2-Dichlorobenzene	mg/kg	376	Csat	376	Csat	1.17	< 0.0250	< 0.0250	< 0.0250
1,2-Dichloroethane	mg/kg	0.652	ca	2.87	ca	0.00284	< 0.0250	< 0.0250	< 0.0250
1,2-Dichloropropane	mg/kg	3.4	ca	15	ca	0.00332	< 0.0250	< 0.0250	< 0.0250
1,3,5-Trimethylbenzene	mg/kg	182	Csat	182	Csat	NS	< 0.0250	< 0.0250	< 0.0250
1,3-Dichlorobenzene	mg/kg	297	Csat	297	Csat	1.15	< 0.0250	< 0.0250	< 0.0250
1,3-Dichloropropane	mg/kg	1490	Csat	1490	Csat	NS	< 0.0250	< 0.0250	< 0.0250
1,4-Dichlorobenzene	mg/kg	3.74	ca	16.4	ca	0.144	< 0.0250	< 0.0250	< 0.0250
2,2-Dichloropropane	mg/kg	191	Csat	191	Csat	NS	< 0.0250	< 0.0250	< 0.0250
4-Chlorotoluene	mg/kg	253	Csat	253	Csat	NS	< 0.0250	< 0.0250	< 0.0250
4-Isopropyltoluene	mg/kg	162	Csat	162	Csat	NS	< 0.0250	< 0.0250	< 0.0250
Benzene	mg/kg	1.6	ca	7.07	ca	0.00512	< 0.0250	< 0.0250	< 0.0250
Bromobenzene	mg/kg	342	nc	679	Csat	NS	< 0.0250	< 0.0250	< 0.0250
Bromodichloromethane	mg/kg	0.418	ca	1.83	ca	0.000326	< 0.0250	< 0.0250	< 0.0250
Bromoform	mg/kg	25.4	ca	113	ca	0.002332	< 0.0250	< 0.0250	< 0.0250
Carbon tetrachloride	mg/kg	0.916	ca	4.03	ca	0.00388	< 0.0250	< 0.0250	< 0.0250
Chlorobenzene	mg/kg	370	nc	761	Csat	0.1358	< 0.0250	< 0.0250	< 0.0250
Chlorobromomethane	mg/kg	216	nc	906	nc	NS	< 0.0250	< 0.0250	< 0.0250
Chloroethane	mg/kg	2120	Csat	2120	Csat	0.2266	< 0.0670	< 0.0670	< 0.0670
Chloroform	mg/kg	0.454	ca	1.98	ca	0.00333	< 0.0464	< 0.0464	< 0.0464
cis-1,2-Dichloroethene	mg/kg	156	nc	2340	nc	0.0412	< 0.0250	< 0.0250	< 0.0250
cis-1,3-Dichloropropene	mg/kg	1210	Csat	1210	Csat	NS	< 0.0250	< 0.0250	< 0.0250
Dibromochloromethane	mg/kg	8.28	ca	38.9	ca	0.03195	< 0.0250	< 0.0250	< 0.0250
Dibromomethane	mg/kg	34	nc	143	nc	NS	< 0.0250	< 0.0250	< 0.0250
Dichlorodifluoromethane (Freon 12)	mg/kg	126	nc	530	nc	3.09	< 0.0250	< 0.0250	< 0.0250
Ethylbenzene	mg/kg	8.02	ca	35.4	ca	1.57	< 0.0250	< 0.0250	< 0.0250
Ethylene dibromide	mg/kg	0.05	ca	0.221	ca	0.000028	< 0.0250	< 0.0250	< 0.0250
Hexachlorobutadiene	mg/kg	1.63	ca	7.19	ca	NS	< 0.0250	< 0.0250	< 0.0250
Isopropyl ether	mg/kg	2260	Csat	2260	Csat	NS	< 0.0250	< 0.0250	< 0.0250
Isopropylbenzene (Cumene)	mg/kg	268	Csat	268	Csat	NS	< 0.0250	< 0.0250	< 0.0250
m,p-Xylenes	mg/kg	NS	NS	NS	NS	NS	< 0.0500	< 0.0500	< 0.0500
Methyl bromide	mg/kg	9.6	nc	43	nc	0.00506	< 0.0699	< 0.0699	< 0.0699
Methyl chloride	mg/kg	159	nc	669	nc	0.01551	< 0.0250	< 0.0250	< 0.0250
Methyl tert-butyl ether	mg/kg	63.8	ca	282	ca	0.02702	< 0.0250	< 0.0250	< 0.0250
Methylene chloride	mg/kg	61.8	ca	1150	ca	0.00256	< 0.0250	< 0.0250	< 0.0250
Naphthalene	mg/kg	5.52	ca	24.1	ca	0.65818	< 0.0400	< 0.0400	< 0.0400
n-Butylbenzene	mg/kg	108	Csat	108	Csat	NS	< 0.0250	< 0.0250	< 0.0250
n-Propylbenzene	mg/kg	264	Csat	264	Csat	NS	< 0.0250	< 0.0250	< 0.0250
o-Chlorotoluene (2-chlorotoluene)	mg/kg	907	Csat	907	Csat	NS	< 0.0250	< 0.0250	< 0.0250
o-Xylene	mg/kg	434	Csat	434	Csat	NS	< 0.0250	< 0.0250	< 0.0250
sec-Butylbenzene	mg/kg	145	Csat	145	Csat	NS	< 0.0250	< 0.0250	< 0.0250
Styrene	mg/kg	867	Csat	867	Csat	0.22	< 0.0250	< 0.0250	< 0.0250
tert-Butylbenzene	mg/kg	183	Csat	183	Csat	NS	< 0.0250	< 0.0250	< 0.0250
Tetrachloroethene	mg/kg	33	ca	145	ca	0.00454	< 0.0250	< 0.0250	< 0.0250
Toluene	mg/kg	818	Csat	818	Csat	1.11	< 0.0250	< 0.0250	< 0.0250
trans-1,2-Dichloroethene	mg/kg	1560	nc	1850	Csat	0.0626	< 0.0250	< 0.0250	< 0.0250
trans-1,3-Dichloropropene	mg/kg	1510	Csat	1510	Csat	NS	< 0.0250	< 0.0250	< 0.0250
Trichloroethene	mg/kg	1.3	ca	8.41	ca	0.00358	< 0.0250	< 0.0250	< 0.0250
Trichlorofluoromethane (Freon 11)	mg/kg	1230	Csat	1230	Csat	4.48	< 0.0250	< 0.0250	< 0.0250
Vinyl chloride	mg/kg	0.067	ca	2.08	ca	0.000138	< 0.0250	< 0.0250	< 0.0250
SVOCs									
1-Methylnaphthalene	mg/kg	17.6	ca	72.7	ca	NS	< 0.0044	0.0114 J	< 0.0046
2-Methylnaphthalene	mg/kg	239	nc	3010	nc	NS	< 0.0055	0.0142 J	< 0.0058
Acenaphthene	mg/kg	3590	nc	45200	nc	NS	< 0.0042	0.0238 J	0.0091 J
Acenaphthylene	mg/kg	NS	NS	NS	NS	NS	< 0.0036	0.0257	< 0.0038
Anthracene	mg/kg	17900	nc	100000	ceiling	196.95	< 0.0062	0.163	0.0391
Benzo(a)anthracene	mg/kg	1.14	ca	20.8	ca	NS	< 0.0035	0.488	0.0857
Benzo(a)pyrene	mg/kg	*0.115*	ca	2.11	ca	0.47	< 0.0027	0.535	0.0829
Benzo(b)fluoranthene	mg/kg	1.15	ca	21.1	ca	0.47809	< 0.0031	0.698	0.1
Benzo(g,h,i)perylene	mg/kg	NS	NS	NS	NS	NS	< 0.0022	0.157	0.0481
Benzo(k)fluoranthene	mg/kg	11.5	ca	211	ca	NS	< 0.0027	0.249	0.0463
Chrysene	mg/kg	115	ca	2110	ca	0.14422	< 0.0037	0.434	0.0925
Dibenzo(a,h)anthracene	mg/kg	0.115	ca	2.11	ca	NS	< 0.0024	0.0535	0.0108
Fluoranthene	mg/kg	2390	nc	30100	nc	88.88	< 0.0057	0.994	0.22
Fluorene	mg/kg	2390	nc	30100	nc	14.83	< 0.0045	0.0429	0.0140 J
Indeno(1,2,3-cd)pyrene	mg/kg	1.15	ca	21.1	ca	NS	< 0.0024	0.154	0.0381
Naphthalene	mg/kg	5.52	ca	24.1	ca	0.65818	< 0.0092	< 0.0190	< 0.0097
Phenanthrene	mg/kg	NS	NS	NS	NS	NS	< 0.0127	0.444	0.134
Pyrene	mg/kg	1790	nc	22600	nc	54.55	< 0.0049	0.74	0.161

Notes:

Results reported in milligrams per kilogram (mg/kg).

Italic values exceed a non-industrial direct contact RCL

Bold values exceed an industrial direct contact RCL

Underlined values exceed the NR140 Migration from Soil to Groundwater Standard, dilution factor 2.

Csat = Saturation concentration

nc = non-carcinogen

ca = carcinogen

NS = No established standard

NA = Not analyzed

N = Normal sample

J = The analyte was positively identified; associated numerical value is the approximate concentration of the analyte in the sample.

Unsat = soil sample collected from unsaturated soils

Sat = soil sample collected from soils below groundwater

direct contact RCLs compared for soils collected from 0 to 4 feet below ground surface

* = analytical result is below the Background Threshold Value for lead of 52 mg/kg

TABLE A.3 Residual Soil Contamination

BRRTS # 02-13-580721
SITE NAME: Oscar Mayer Facility
SITE ADDRESS: 910 Oscar Avenue Madison, WI 53704

						Location ID	SB-2	SB-3	SB-5	SB-6	SB-7	SB-9	FS-MW-08	FS-MW-10	FS-MW-11	FS-MW-13
						Sample Type	N	N	N	N	N	N	N	N	N	N
						Sample Date	7/31/2017	7/31/2017	7/31/2017	7/31/2017	8/1/2017	8/1/2017	4/4/2019	4/3/2019	4/3/2019	4/3/2019
						Sample Depth	1-1.5 ft	8-10 ft	4-5 ft	3-4 ft	10-12 ft	4-5 ft	3.5-4.5 ft	3.5-4.5 ft	6.5-7.5 ft	4.5-5.5 ft
		Non-Industrial Direct Contact		Industrial Direct Contact												
						NR140	Unsat	Sat	Sat	Unsat	Sat	Sat	Sat	Unsat	Sat	Unsat
Parameter	Unit	RCL	Basis	RCL	Basis	Soil to Groundwater (DF 2)	DTW=6.0'	DTW=6.5'	DTW=4.5'	DTW=4.5'	DTW=7.0'	DTW=4.75'	DTW=3.33'	DTW=4.64'	DTW=5.83'	DTW=6.4'
Metals																
Lead	mg/kg	400	nc	800	nc	27	37.6*	12.1	4.1	5.6	10.3	6.5	19.5	23.8	49.1*	10.8
VOCs																
Benzene	mg/kg	1.6	ca	7.07	ca	0.00512	< 0.025	< 0.125	< 0.5	< 0.025	0.312	< 0.2	< 0.0250	< 0.0250	< 0.0250	< 0.0250
Ethylbenzene	mg/kg	8.02	ca	35.4	ca	1.57	< 0.025	2.17	< 0.5	< 0.025	18.8	< 0.2	< 0.0250	< 0.0250	< 0.0250	< 0.0250
Methylene chloride	mg/kg	61.8	ca	1150	ca	0.00256	< 0.025	< 0.125	< 0.5	0.0346	< 0.05	< 0.2	< 0.0250	< 0.0250	< 0.0250	< 0.0250
Naphthalene	mg/kg	5.52	ca	24.1	ca	0.65818	< 0.04	5.87	6.22	0.0803	3.5	3.18	< 0.0400	< 0.0400	< 0.0400	< 0.0400
SVOCs																
Benzo(a)pyrene	mg/kg	*0.115*	ca	2.11	ca	0.47	0.0301	< 0.0564	< 0.0297	< 0.0033	< 0.0032	0.0352	*0.419*	*0.714*	0.0658	0.535
Benzo(b)fluoranthene	mg/kg	1.15	ca	21.1	ca	0.47809	0.0419	< 0.0634	< 0.0334	< 0.0037	< 0.0036	0.0415	0.512	0.847	0.0933	0.698
Chrysene	mg/kg	115	ca	2110	ca	0.14422	0.0355	< 0.0757	0.0434	< 0.0045	< 0.0043	0.0586	0.303	0.493	0.0825	0.434
Naphthalene	mg/kg	5.52	ca	24.1	ca	0.65818	< 0.0103	6.77	2.25	0.0757	0.57	1.96	0.0308 J	0.0608 J	0.0472	< 0.0190

Notes:

Results reported in milligrams per kilogram (mg/kg).

Italic values exceed a non-industrial direct contact RCL

Bold values exceed an industrial direct contact RCL

Underlined values exceed the NR140 Migration from Soil to Groundwater Standard, dilution factor 2.

Csat = Saturation concentration

nc = non-carcinogen

ca = carcinogen

NS = No established standard

NA = Not analyzed

N = Normal sample

J = The analyte was positively identified; associated numerical value is the approximate concentration of the analyte in the sample.

Unsat = soil sample collected from unsaturated soils

Sat = soil sample collected from soils below groundwater

direct contact RCLs compared for soils collected from 0 to 4 feet below ground surface

* = analytical result is below the Background Threshold Value for lead of 52 mg/kg

TABLE A.4 - Vapor Analytical Table
BRRTS #02-13-580772
SITE NAME: Oscar Mayer Former Filling Station East
ADDRESS: 910 Oscar Avenue, Madison, WI 53704

No vapor samples were collected as part of this investigation. Residual soil and groundwater contamination constituent concentrations are at levels that may not promote a health risk, and the areas of investigation do not contain buildings or occupied spaces.

TABLE A.5 -Vapor Analytical Table
BRRTS #02-13-580772
SITE NAME: Oscar Mayer Former Filling Station East
ADDRESS: 910 Oscar Avenue, Madison, WI 53704

No other media of concern were collected as part of this investigation. Other media may include sediment, surface water or air. No sediment, surface water or air samples were collected, and none were justified under this investigation.

Table A.6 - Water Level Elevations
BRRTS #02-13-580721
SITE NAME: Former Oscar Mayer Facility
SITE ADDRESS: 910 Oscar Avenue, Madison, WI 53704

Monitoring Well	Measurement Date	Top of Casing Elevation (ft amsl)	Depth to Water (ft)	Groundwater Elevation (ft amsl)
FS-MW-01	5/2/2019	853.65	3.78	849.87
FS-MW-02	5/2/2019	853.69	3.50	850.19
FS-MW-03	5/2/2019	854.41	3.44	850.97
FS-MW-04	5/2/2019	854.38	3.74	850.64
FS-MW-05	5/2/2019	855.47	5.08	850.39
FS-MW-06	5/1/2019	853.72	4.22	849.50
FS-MW-07	5/1/2019	854.41	4.16	850.25
FS-MW-08	5/2/2019	853.62	3.33	850.29
FS-MW-09	5/1/2019	856.45	6.14	850.31
FS-MW-10	5/1/2019	854.42	4.64	849.78
FS-MW-11	5/1/2019	855.41	5.83	849.58
FS-MW-12	5/1/2019	856.27	7.09	849.18
FS-MW-13	5/1/2019	855.25	6.40	848.85

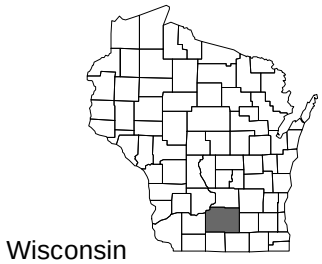
TABLE A.7 - Natural Attenuation Data
BRRTS #02-13-580772
SITE NAME: Oscar Mayer Former Filling Station East
SITE ADDRESS: 910 Oscar Avenue, Madison, WI 53704

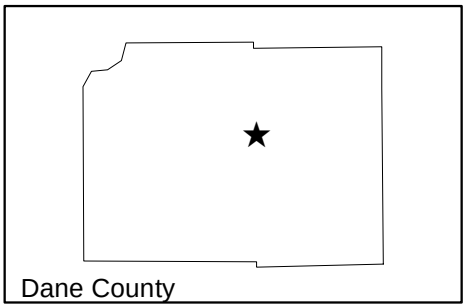
Monitoring Well	Date Monitored	Temperature deg. C	Specific Conductivity uS/cm	pH	Dissolved Oxygen mg/L	Oxidation-Reduction Potential mV
FS-MW-01	5/6/2019	8.8	600.4	7.23	5.54	212.5
FS-MW-02	5/7/2019	10.2	1034	6.95	1.13	-12.9
FS-MW-03	5/7/2019	11.8	4218	6.7	0.07	-88.6
FS-MW-04	5/8/2019	11.1	1444	7.18	1.71	74.2
FS-MW-05	5/8/2019	10.4	3683	7.08	0.04	-83.8
FS-MW-06	5/7/2019	11.6	11305	6.75	0.08	-85.2
FS-MW-07	5/7/2019	11.9	3040	6.99	0.27	-105.5
FS-MW-08	5/8/2019	9.4	1598	7.07	0.08	-47.8
FS-MW-09	5/7/2019	9.8	2490	7.77	3.47	238.1
FS-MW-10	5/9/2019	11.9	1124	7.34	0.1	-119.8
FS-MW-11	5/8/2019	10.7	2916	7.14	0.52	-91.7
FS-MW-12	5/6/2019	12.5	4377	7.1	2.43	186
FS-MW-13	5/7/2019	12.7	9512	6.76	0.08	-59.5

Note: Data collected using a Yellow Springs Instrument (YSI) 600XL with flow-through cell. Wells purged using low-flow techniques.

ATTACHMENT B

MAPS, FIGURES AND PHOTOS

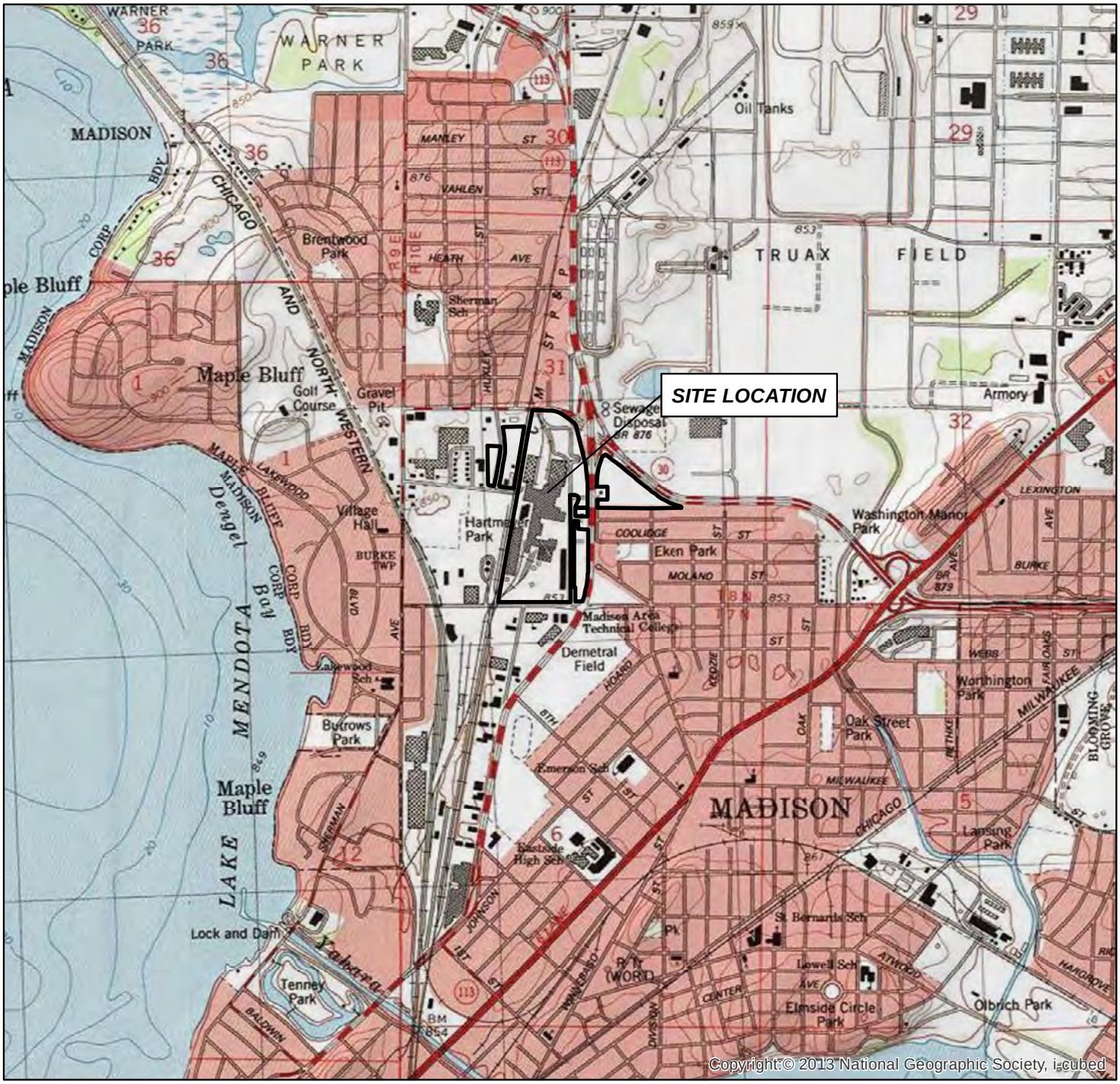




0 1,000 2,000 4,000 Feet

N

LAT. 41.11 LON. -89.356
DANE COUNTY
WISCONSIN



USGS 1:24K 7.5' Quadrangle:
Madison East, WI

SITE LOCATION MAP

ERM	**910 Mayer LLC** 910 Oscar Avenue Madison Dane County, Wisconsin	GIS Review: CS CHK'D: DDCB 0441161
Drawn By: SRV-9/27/2019	**Environmental Resources Management**	FIGURE B.1.a

J:\Projects\OSCAR MAYER-MADISN_MXD\FigureB.1.a-USGSSiteLocationMap_20190927.mxd - 9/27/2019|SRV

DRAWN BY: SRV

FS-MW-03
SB-63
SB-62
FS-MW-02
SB-9
SB-8
FS-MW-04
FS-MW-05
SB-61
SB-7
SB-60
FS-MW-01
SB-59
FS-MW-06
SB-6
FS-MW-07
SB-5
SB-4
SB-58
SB-57
FS-MW-08
1098
2201
Myrtle St
1048
Packers Ave
FS-MW-10
FS-MW-09
SB-55
FS-MW-11
SB-2
FS-MW-12
SB-3
SB-56
SB-1
SB-54
FS-MW-13
SB-42
1298
113
Packers Ave
2293
Roth St
1286
2249
Myrtle St
2201
Coolidge St

Legend

- Manhole/Inlet/Stormwater Drain
- Soil Boring Location
- Monitoring Well Location
- Fire Hydrant
- Electrical Utilities
- Sanitary Sewer Lines (City of Madison)
- Storm Sewer Lines (City of Madison)
- Water Main Lines
- Storm Sewer Line
- Historical Site Feature
- Parcel Boundary
- 910 Mayer Properties (Main Site)

Notes:
1. City of Madison, GIS

N

0 75 150
Feet

Source: Esri - World Topoographic Map; NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet

Figure B.1.b
Detailed Site Map
Filling Station Area
910 Mayer LLC
910 Oscar Avenue
Madison, Wisconsin

Environmental Resources Management
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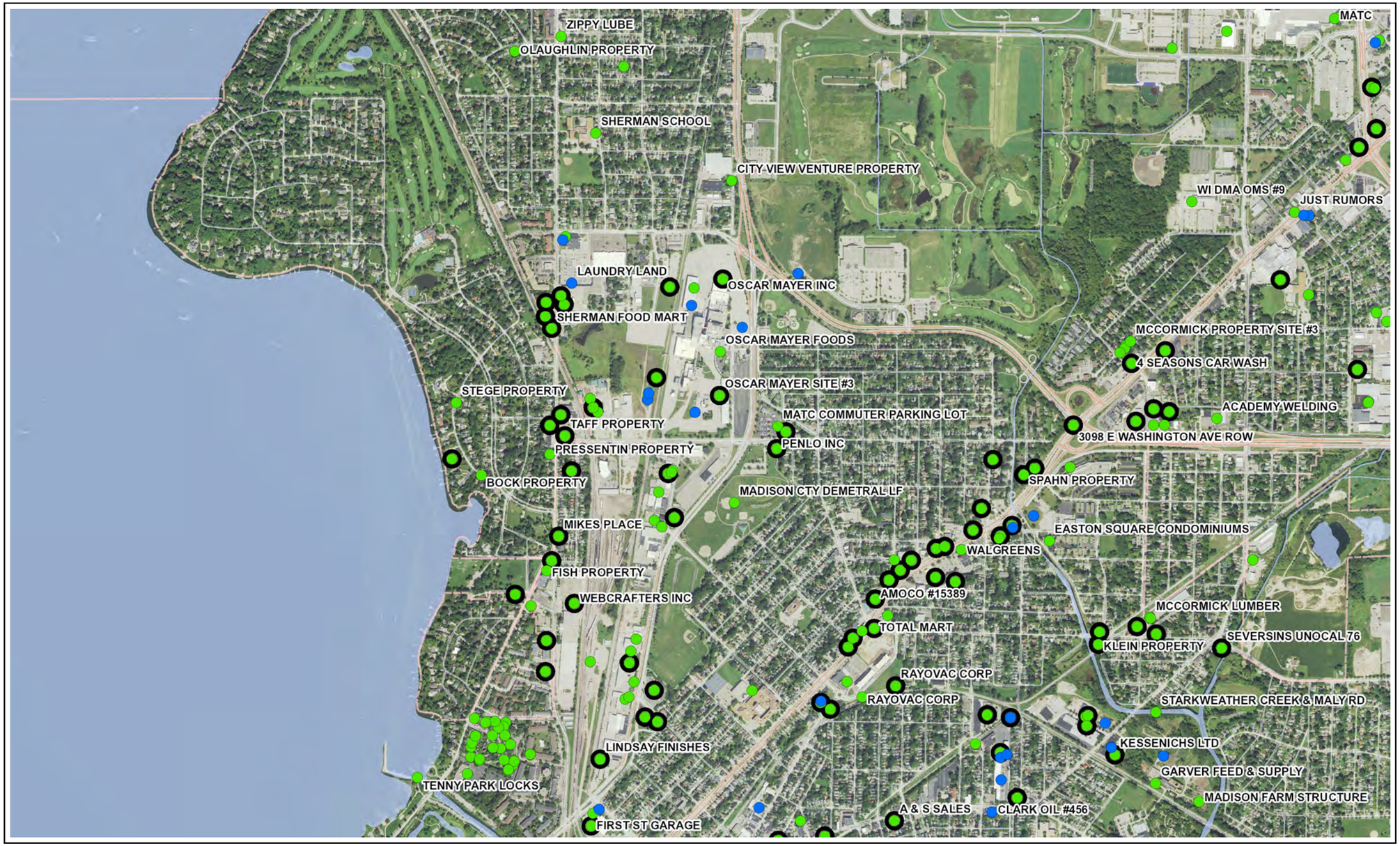
FILE: J:\Projects\OSCAR MAYER-MADISON_MXD\Figure B.1.b-FillingStationDetailedSiteMap_20191118.mxd | REVISED: 02/14/2020 | SCALE: 1:965 when printed at 11x17

BRRTS Sites Map

WISCONSIN DEPT. OF NATURAL RESOURCES



Legend

- Open Site
- Closed Site
- Continuing Obligations Apply
- Facility-wide Site

0.5 0 0.25 0.5 Miles

NAD_1983_HARN_Wisconsin_TM

1: 15,840

Note: Not all sites are mapped.

FIGURE B.1.c

910 OSCAR AVENUE, MADISON, WI

DRAWN BY: SRV

Metal	FS-MW-03 0.5 – 1.5′ mg/kg	FS-MW-03 1.5 – 2.5′ mg/kg
Lead	No Exceedances	No Exceedances

Metal	SB-9 4 – 5′ mg/kg
Lead	No Exceedances

Metal	FS-MW-02 3.5 – 4.5′ mg/kg	FS-MW-02 4.5 – 5.5′ mg/kg
Lead	No Exceedances	No Exceedances

Metal	FS-MW-05 2.5 – 3.5′ mg/kg
Lead	No Exceedances

Metal	SB-8 10 – 12′ mg/kg
Lead	No Exceedances

Metal	FS-MW-04 2.5 – 3.5′ mg/kg
Lead	No Exceedances

Metal	FS-MW-01 3.5 – 4.5′ mg/kg	FS-MW-01 4.5 – 5.5′ mg/kg
Lead	No Exceedances	No Exceedances

Metal	SB-7 10 – 12′ mg/kg
Lead	No Exceedances

Metal	FS-MW-06 4.5 – 5.5′ mg/kg
Lead	No Exceedances

Metal	SB-6 3 – 4′ mg/kg
Lead	No Exceedances

Metal	SB-5 4 – 5′ mg/kg
Lead	No Exceedances

Metal	SB-4 3 – 4′ mg/kg
Lead	No Exceedances

Metal	FS-MW-07 4.5 – 5.5′ mg/kg
Lead	No Exceedances

Metal	FS-MW-08 3.5 – 4.5′ mg/kg	FS-MW-08 4.5 – 5.5′ mg/kg
Lead	No Exceedances	No Exceedances

Metal	FS-MW-10 3.5 – 4.5′ mg/kg	FS-MW-10 4.5 – 5.5′ mg/kg
Lead	No Exceedances	No Exceedances

Metal	FS-MW-11 4.5 – 5.5′ mg/kg	FS-MW-11 6.5 – 7.5′ mg/kg
Lead	No Exceedances	49.1

Metal	SB-2 1 – 1.5′ mg/kg
Lead	37.6

Metal	FS-MW-09 5.5 – 6.5′ mg/kg	FS-MW-09 6.5 – 7.5′ mg/kg
Lead	No Exceedances	No Exceedances

Metal	FS-MW-12 4.5 – 5.5′ mg/kg
Lead	No Exceedances

Metal	SB-3 8 – 10′ mg/kg
Lead	No Exceedances

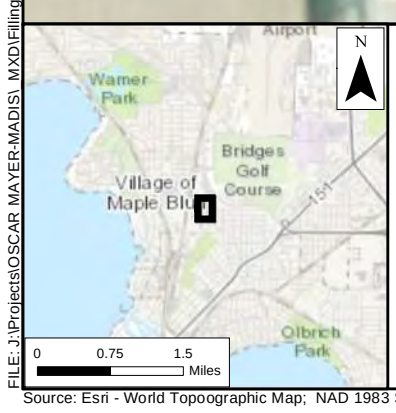
Metal	SB-1 1 – 1.5′ mg/kg
Lead	No Exceedances

Metal	FS-MW-13 4.5 – 5.5′ mg/kg	FS-MW-13 5.5 – 6.5′ mg/kg
Lead	No Exceedances	No Exceedances

FS-MW-03, FS-MW-02, FS-MW-01, FS-MW-04, FS-MW-05, FS-MW-06, FS-MW-07, FS-MW-08, FS-MW-10, FS-MW-09, FS-MW-11, FS-MW-12, FS-MW-13

SB-63, SB-62, SB-9, SB-8, SB-61, SB-7, SB-60, SB-59, SB-6, SB-5, SB-4, SB-58, SB-57, SB-55, SB-3, SB-56, SB-1, SB-54, SB-42, SB-2

Packers Ave, Myrtle St, 2201, 2249, 1098, 1048, 1286, 2298, 113



Legend

- Soil Boring Location
- Monitoring Well Location
- Historical Site Feature
- Parcel Boundary
- 910 Mayer Properties (Main Site)

Notes:
1.Bold value exceeds the soil to groundwater pathway
2.There are no unsaturated soil metals concentrations that exceed a direct contact RCL
3. Concentrations of lead exceed the soil to groundwater criteria at SB-2 and FS-MW-11. However, these are below the Background Threshold Value for lead of 52 mg/kg

N
0 75 150
Feet

Figure B.2.a/b.1
Residual Soil Contamination – Metals
Filling Station Area
910 Mayer LLC
910 Oscar Avenue
Madison, Wisconsin

Environmental Resources Management
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Source: Esri - World Topoographic Map; NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet

FILE: J:\Projects\OSCAR MAYER-MADIS_MXD\FillingStation\FigureB.2.a.b.1-FillingStationResidualSoilContaminationMetals_20190927.mxd | REVISED: 02/13/2020 | SCALE: 1:965 when printed at 11x17

DRAWN BY: SRV

VOC	FS-MW-03 0.5 – 1.5′ mg/kg	FS-MW-03 1.5 – 2.5′ mg/kg
	No Exceedances	No Exceedances

VOC	SB-9 4 – 5′ mg/kg
Naphthalene	3.18

VOC	SB-8 10 – 12′ mg/kg
	No Exceedances

VOC	FS-MW-05 2.5 – 3.5′ mg/kg
	No Exceedances

VOC	FS-MW-02 3.5 – 4.5′ mg/kg	FS-MW-02 4.5 – 5.5′ mg/kg
	No Exceedances	No Exceedances

VOC	SB-7 10 – 12′ mg/kg
Benzene	0.312
Ethylbenzene	18.8
Naphthalene	3.5

VOC	FS-MW-01 3.5 – 4.5′ mg/kg	FS-MW-01 4.5 – 5.5′ mg/kg
	No Exceedances	No Exceedances

VOC	FS-MW-04 2.5 – 3.5′ mg/kg
	No Exceedances

VOC	FS-MW-06 4.5 – 5.5′ mg/kg
	No Exceedances

VOC	SB-6 3 – 4′ mg/kg
Methylene Chloride	0.0346

VOC	FS-MW-07 4.5 – 5.5′ mg/kg
	No Exceedances

VOC	SB-4 3 – 4′ mg/kg
	No Exceedances

VOC	SB-5 4 – 5′ mg/kg
Naphthalene	6.22

VOC	FS-MW-08 3.5 – 4.5′ mg/kg	FS-MW-08 4.5 – 5.5′ mg/kg
	No Exceedances	No Exceedances

VOC	FS-MW-10 3.5 – 4.5′ mg/kg	FS-MW-10 4.5 – 5.5′ mg/kg
	No Exceedances	No Exceedances

VOC	FS-MW-11 4.5 – 5.5′ mg/kg	FS-MW-11 6.5 – 7.5′ mg/kg
	No Exceedances	No Exceedances

VOC	SB-2 1 – 1.5′ mg/kg
	No Exceedances

VOC	FS-MW-09 5.5 – 6.5′ mg/kg	FS-MW-09 6.5 – 7.5′ mg/kg
	No Exceedances	No Exceedances

VOC	FS-MW-12 4.5 – 5.5′ mg/kg
	No Exceedances

VOC	SB-3 8 – 10′ mg/kg
Ethylbenzene	2.17
Naphthalene	5.87

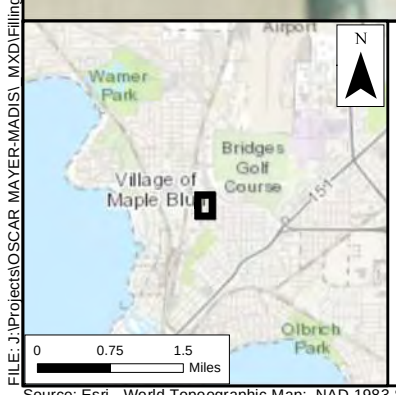
VOC	SB-1 1 – 1.5′ mg/kg
	No Exceedances

VOC	FS-MW-13 4.5 – 5.5′ mg/kg	FS-MW-13 5.5 – 6.5′ mg/kg
	No Exceedances	No Exceedances

FS-MW-03, FS-MW-02, FS-MW-01, FS-MW-04, FS-MW-05, FS-MW-06, FS-MW-07, FS-MW-08, FS-MW-10, FS-MW-09, FS-MW-11, FS-MW-12, FS-MW-13

SB-63, SB-62, SB-9, SB-8, SB-61, SB-7, SB-60, SB-59, SB-6, SB-5, SB-4, SB-58, SB-57, SB-55, SB-2, SB-3, SB-56, SB-1, SB-54, SB-42

Packers Ave, Roth St, Myrtle St, Coolidge St, 1298, 2298, 1098, 1048, 2201, 1276, 113



Legend

- Soil Boring Location
- Monitoring Well Location
- Horizontal Extent of Soil VOCs that Exceed a Soil to Groundwater Pathway RCL
- Historical Site Feature
- Parcel Boundary
- 910 Mayer Properties (Main Site)

Notes:
1.Bold value exceeds the soil to groundwater pathway
2. VOC = Volatile Organic Compound
3. There are no unsaturated soil VOC concentrations that exceed a direct contact RCL

N

0 75 150
Feet

Figure B.2.a/b.2
Residual Soil Contamination – VOCs
Filling Station Area
910 Mayer LLC
910 Oscar Avenue
Madison, Wisconsin

Environmental Resources Management
www.erm.com
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Source: Esri - World Topoographic Map; NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet

FILE: J:\Projects\OSCAR MAYER-MADISI_MXD\FillingStation\FigureB.2.a.b.2-FillingStationResidualSoilContaminationVOCs_20190927.mxd | REVISED: 02/13/2020 | SCALE: 1:965 when printed at 11x17

DRAWN BY: SRV

SVOC	FS-MW-03 0.5 - 1.5' mg/kg	FS-MW-03 1.5 - 2.0' mg/kg
	No Exceedances	No Exceedances

SVOC	FS-MW-04 2.5 – 3.5' mg/kg
	No Exceedances

SVOC	SB-9 4 – 5' mg/kg
Naphthalene	**1.96**

SVOC	FS-MW-02 3.5 - 4.5' mg/kg
	No Exceedances

SVOC	FS-MW-05 mg/kg
	No Exceedances

SVOC	FS-MW-01 3.5 - 4.5' mg/kg	FS-MW-01 4.5 - 5.5' mg/kg
	No Exceedances	No Exceedances

SVOC	SB-7 10 - 12' mg/kg
	No Exceedances

SVOC	SB-8 10 - 12' mg/kg
	No Exceedances

SVOC	FS-MW-06 mg/kg
	No Exceedances

SVOC	SB-6 3 - 4' mg/kg
	No Exceedances

SVOC	FS-MW-07 4 – 5' mg/kg
	No Exceedances

SVOC	SB-4 3 - 4' mg/kg
	No Exceedances

SVOC	SB-5 4 - 5' mg/kg
Naphthalene	**2.25**

SVOC	FS-MW-08 3.5 - 4.5' mg/kg	FS-MW-08 4.5 - 5.5' mg/kg
Benzo(b)fluoranthene	**0.512**	No Exceedances
Chrysene	**0.303**	No Exceedances
Benzo(a)pyrene	*0.419*	No Exceedances

SVOC	FS-MW-10 3.5 - 4.5' mg/kg	FS-MW-10 4.5 - 5.5' mg/kg
Benzo(a)pyrene	***0.714***	No Exceedances
Benzo(b)fluoranthene	**0.847**	No Exceedances
Chrysene	**0.493**	No Exceedances

SVOC	SB-2 1 - 1.5 mg/kg
	No Exceedances

SVOC	FS-MW-11 4.5 - 5.5' mg/kg	FS-MW-11 6.5 - 7.5' mg/kg
	No Exceedances	No Exceedances

SVOC	FS-MW-12 4.5 – 5.5' mg/kg
	No Exceedances

SVOC	SB-1 1 - 1.5' mg/kg
	No Exceedances

SVOC	FS-MW-09 5.5 - 6.5' mg/kg	FS-MW-09 6.5 - 7.5' mg/kg
	No Exceedances	No Exceedances

SVOC	SB-3 8 - 10' mg/kg
Naphthalene	**6.77**

SVOC	FS-MW-13 4.5 - 5.5' mg/kg	FS-MW-13 5.5 - 6.5' mg/kg
Benzo(a)pyrene	**0.535**	No Exceedances
Benzo(b)fluoranthene	**0.698**	No Exceedances
Chrysene	**0.434**	No Exceedances

FS-MW-03 FS-MW-04 FS-MW-02 FS-MW-05 FS-MW-01 FS-MW-06 FS-MW-07 FS-MW-08 FS-MW-10 FS-MW-09 FS-MW-11 FS-MW-12 FS-MW-13

SB-63 SB-62 SB-9 SB-8 SB-61 SB-7 SB-60 SB-59 SB-6 SB-5 SB-4 SB-58 SB-57 SB-55 SB-2 SB-3 SB-56 SB-1 SB-54 SB-42

Packers Ave

Roth St

Myrtle St

2298 2249 2201 1286 113

Legend

- Soil Boring Location
- Monitoring Well Location
- Horizontal Extent of Soil SVOCs that Exceed a Soil to Groundwater Pathway RCL
- Horizontal extent of Soil SVOCs that Exceed a Non-Industrial Direct Contact RCL
- Historical Site Feature
- Parcel Boundary
- 910 Mayer Properties (Main Site)

Notes:
1.Bold value exceeds the soil to groundwater pathway
2. Italic value exceeds the non-industrial direct contact RCL
3. SVOC = Semivolatile Organic Compound

N

0 75 150
Feet

Figure B.2.a/b.3
Residual Soil Contamination - SVOCs
Filling Station Area
910 Mayer LLC
910 Oscar Avenue
Madison, Wisconsin

Environmental Resources Management
www.erm.com
ERM

Source: Esri - World Topoographic Map; NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet

FILE: J:\Projects\OSCAR MAYER-MADISI\ MXD\FillingStation\FigureB.2.a.b.3-FillingStationResidualSoilContaminationSVOCs 20190927.mxd | REVISED: 02/14/2020 | SCALE: 1:965 when printed at 11x17

CROSS SECTION FILLING STATION AREA

A
NORTH

A'
SOUTH

FS-MW-03
FS-MW-04
FS-MW-06
FS-MW-08
FS-MW-10
FS-MW-11
FS-MW-13

FORMER FILLING STATION AREA
FORMER FILLING STATION AREA
FORMER FILLING STATION AREA
EXISTING BUILDING

ELEVATION IN FEET (AMSL)
857
855
850
845
840
835

FS-MW-03
(0.5–1.5'): ND
(1.5–2.5'): ND

FS-MW-04
(2.5–3.5'): ND

FS-MW-06
(4.5–5.5'): ND

SB-5 (4–5')
NAPHTHALENE: 6.22 mg/kg
SATURATED

FS-MW-11
(4.5–5.5'): ND
(6.5–7.5'): ND

FS-MW-13
(4.5–5.5):
Benzo(a)pyrene: 0.535 mg/kg
Benzo(b)fluoranthene: 0.698 mg/kg
Chrysene: 0.434 mg/kg
(5.5–6.5): ND

SB-9 (4–5')
NAPHTHALENE: 3.18 mg/kg
SATURATED

FS-MW-10
(3.5–4.5'):
Benzo(a)pyrene: 0.714 mg/kg
Benzo(b)fluoranthene: 0.847 mg/kg
Chrysene: 0.493 mg/kg
(4.5–5.5'): ND

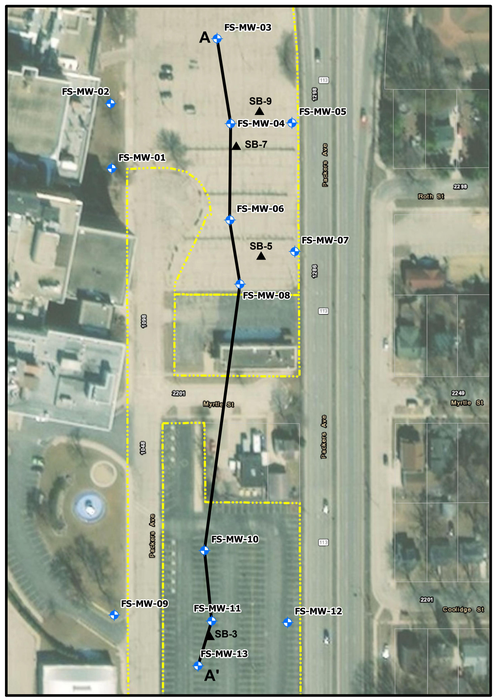
SB-3 (8–10):
NAPHTHALENE: 5.87 mg/kg
SATURATED

SB-6 (4–5')
METHYLENE CHLORIDE
0.0346 mg/kg
SATURATED

FS-MW-08
(3.5–4.5')
Benzo(a)pyrene: 0.419 mg/kg
Benzo(b)fluoranthene: 0.512 mg/kg
Chrysene: 0.303 mg/kg
(4.5–5.5'): ND

SB-7 (10–12')
BENZENE: 0.312 mg/kg
ETHYLBENZENE: 18.8 mg/kg
SATURATED

FS-MW-06:
BENZENE: 9.0 ug/l



CROSS SECTION TRACE MAP

N

0 100 200
SCALE (IN FEET)

0 2
0 40
SCALE (IN FEET)

LEGEND

- MONITORING WELL
- SOIL SAMPLE
- SCREEN INTERVAL
- WATER ELEVATION (MEASURED MAY 2019)
- EXTENT OF GROUNDWATER EXCEEDING A CH. NR 140 ENFORCEMENT STANDARD
- EXTENT OF SOIL EXCEEDING THE NON–INDUSTRIAL DIRECT CONTACT RCL
- EXTENT OF SOIL EXCEEDING THE SOIL–TO–GROUNDWATER RCL
- ASPHALT PAVEMENT
- SAND
- SILTY CLAY
- SAND OR SANDY SILT
- CLAY

NOTE:
GROUNDWATER CONTAMINANTS EXCEEDING A CH. NR 140 ENFORCEMENT STANDARD SHOWN ADJACENT TO WELL SCREEN.

ND = NO DETECTS

mg/kg = MILLIGRAMS PER KILOGRAM

ug/l = MICROGRAMS PER LITER

Rev.	Date	Description	By	Chk
1	11/5/19	ADD SAMPLE RESULTS	GML	CS

DRAWN BY GML | CADD Review FG | CHECKED BY RP

Environmental Resources Management

ERM

910 MAYER LLC
910 Oscar Avenue, Madison , WI

CROSS SECTION FILLING STATION AREA

SCALE AS NOTED | PROJECT NUMBER 0441161 | SHEET Figure B.3.a | REV.
DATE DRAWN 07/19/2019

Q:\Team\DMW\Cmtl-P\910 Mayer LLC\0441161\0441161-03.dwg, X-SECTION GAS STATION, 2/13/2020 1:40:31 PM, GML Holland, MI

DRAWN BY: SRV

Metal	FS-MW-03 µg/L
Lead	*6.6 J*

Metal	FS-MW-02 µg/L
Lead	No Exceedances

Metal	FS-MW-05 µg/L
Lead	*7.7 J*

Metal	FS-MW-01 µg/L
Lead	No Exceedances

Metal	FS-MW-04 µg/L
Lead	No Exceedances

Metal	FS-MW-06 µg/L
Lead	No Exceedances

Metal	FS-MW-07 µg/L
Lead	No Exceedances

Metal	FS-MW-08 µg/L
Lead	No Exceedances

Metal	FS-MW-10 µg/L
Lead	*10.5 J*

Metal	FS-MW-11 µg/L
Lead	No Exceedances

Metal	FS-MW-09 µg/L
Lead	No Exceedances

Metal	FS-MW-12 µg/L
Lead	No Exceedances

Metal	FS-MW-13 µg/L
Lead	No Exceedances

Notes:
1.Only those constituents that exceed standard are presented.
2. µg/L = micrograms per liter
3. Bold value exceeds a chapter NR 140 Enforcement Standard
4. Italic value exceeds a chapter NR 140 Preventive Action Limit
5. J-flag represents a result between the limit of detection and limit of quantitation
6. Solid line exceeds the ch. NR 140 ES
7. Dashed line exceeds the ch. NR 140 PAL
8. Local groundwater flow may be influenced by local boundary conditions such as submerged utility corridors, soil heterogeneity and diverse infiltration rates.
The overall direction of groundwater flow at the Site is toward the south-southeast

Legend

- Soil Boring Location
- Monitoring Well Location
- Exceeds ch. NR 140 Preventive Action Limit
- Exceeds ch. NR 140 Enforcement Standard
- Groundwater Flow Direction (May 2019)
- Historical Site Feature
- Parcel Boundary
- 910 Mayer Properties (Main Site)

N

0 75 150
Feet

Figure B.3.b.1
Groundwater Contamination – Metals

Filling Station Area
910 Mayer LLC
910 Oscar Avenue
Madison, Wisconsin

Environmental Resources Management
www.erm.com
ERM

Source: Esri - World Topoographic Map; NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet

FILE: J:\Projects\OSCAR MAYER-MADISI_MXD\FillingStation\FigureB.3.b.1-FillingStationGWMetals_20190927.mxd | REVISED: 12/31/2019 | SCALE: 1:965 when printed at 11x17

DRAWN BY: SRV

VOC	FS-MW-03 µg/L
	No Exceedances

VOC	FS-MW-02 µg/L
	No Exceedances

VOC	FS-MW-01 µg/L
Trichloroethene	*0.51 J*
Vinyl Chloride	***1.8***

VOC	FS-MW-06 µg/L
Benzene	***9.0***

VOC	FS-MW-09 µg/L
	No Exceedances

VOC	FS-MW-13 µg/L
	No Exceedances

VOC	FS-MW-05 µg/L
	No Exceedances

VOC	FS-MW-04 µg/L
Benzene	*1.2*

VOC	FS-MW-07 µg/L
Toluene	No Exceedances

VOC	FS-MW-08 µg/L
	No Exceedances

VOC	FS-MW-10 µg/L
	No Exceedances

VOC	FS-MW-11 µg/L
Benzene	*2.7*

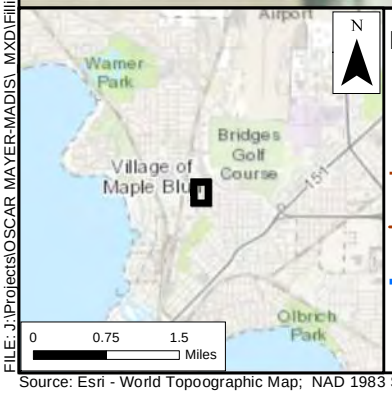
VOC	FS-MW-12 µg/L
	No Exceedances

FS-MW-01, FS-MW-02, FS-MW-03, FS-MW-04, FS-MW-05, FS-MW-06, FS-MW-07, FS-MW-08, FS-MW-09, FS-MW-10, FS-MW-11, FS-MW-12, FS-MW-13

SB-1, SB-2, SB-3, SB-4, SB-5, SB-6, SB-7, SB-8, SB-9, SB-42, SB-54, SB-55, SB-56, SB-57, SB-58, SB-59, SB-60, SB-61, SB-62, SB-63

Packers Ave, Myrtle St, 1098, 1048, 1286, 1298, 2201, 2249, 2298, 113

Notes:
1.Only those constituents that exceed standard are presented.
2. µg/L = micrograms per liter
3. Bold value exceeds a chapter NR 140 Enforcement Standard
4. Italic value exceeds a chapter NR 140 Preventive Action Limit
5. J-flag represents a result between the limit of detection and limit of quantitation
6. Solid line exceeds the ch. NR 140 ES
7. Dashed line exceeds the ch. NR 140 PAL
8. Local groundwater flow may be influenced by local boundary conditions such as submerged utility corridors, soil heterogeneity and diverse infiltration rates.
The overall direction of groundwater flow at the Site is toward the south-southeast



Legend

- Soil Boring Location
- Monitoring Well Location
- Exceeds ch. NR 140 Preventive Action Limit
- Exceeds ch. NR 140 Enforcement Standard
- Groundwater Flow Direction (May 2019)
- Historical Site Feature
- Parcel Boundary
- 910 Mayer Properties (Main Site)

N

0 75 150 Feet

Figure B.3.b.2
Groundwater Contamination – VOCs

Filling Station Area
910 Mayer LLC
910 Oscar Avenue
Madison, Wisconsin

Environmental Resources Management
www.erm.com
ERM

Source: Esri - World Topoographic Map; NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet

FILE: J:\Projects\OSCAR MAYER-MADIS\ MXD\FillingStation\FigureB.3.b.2-FillingStationGWVOCS_20190927.mxd | REVISED: 12/31/2019 | SCALE: 1:965 when printed at 11x17

DRAWN BY: SRV

SVOC	FS-MW-03 µg/L
	No Exceedances

SVOC	FS-MW-02 µg/L
	No Exceedances

SVOC	FS-MW-05 µg/L
	No Exceedances

SVOC	FS-MW-01 µg/L
	No Exceedances

SVOC	FS-MW-04 µg/L
	No Exceedances

SVOC	FS-MW-06 µg/L
	No Exceedances

SVOC	FS-MW-07 µg/L
	No Exceedances

SVOC	FS-MW-08 µg/L
	No Exceedances

SVOC	FS-MW-10 µg/L
	No Exceedances

SVOC	FS-MW-11 µg/L
	No Exceedances

SVOC	FS-MW-09 µg/L
Chrysene	*0.030 J*

SVOC	FS-MW-12 µg/L
	No Exceedances

SVOC	FS-MW-13 µg/L
	No Exceedances

Notes:
1.Only those constituents that exceed standard are presented.
2. µg/L = micrograms per liter
3. Bold value exceeds a chapter NR 140 Enforcement Standard
4. Italic value exceeds a chapter NR 140 Preventive Action Limit
5. J-flag represents a result between the limit of detection and limit of quantitation
6. Solid line exceeds the ch. NR 140 ES
7. Dashed line exceeds the ch. NR 140 PAL
8. Local groundwater flow may be influenced by local boundary conditions such as submerged utility corridors, soil heterogeneity and diverse infiltration rates.
The overall direction of groundwater flow at the Site is toward the south-southeast

Legend

- Soil Boring Location
- Monitoring Well Location
- Exceeds ch. NR 140 Preventive Action Limit
- Groundwater Flow Direction (May 2019)
- Historical Site Feature
- Parcel Boundary
- 910 Mayer Properties (Main Site)

N

0 75 150
Feet

Figure B.3.b.3
Groundwater Contamination – SVOCs

Filling Station Area
910 Mayer LLC
910 Oscar Avenue
Madison, Wisconsin

Environmental Resources Management
www.erm.com
ERM

Source: Esri - World Topoographic Map; NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet

FILE: J:\Projects\OSCAR MAYER-MADISI_MXD\FillingStation\FigureB.3.b.3-FillingStationGWSVOCs 20190927.mxd | REVISED: 12/31/2019 | SCALE: 1:965 when printed at 11x17

DRAWN BY: SRV

FS-MW-03
850.97

FS-MW-02
850.19

FS-MW-04
850.64

FS-MW-05
850.39

FS-MW-01
849.87

FS-MW-06
849.5

FS-MW-07
850.25

FS-MW-08
850.29

FS-MW-10
849.78

FS-MW-09
850.31

FS-MW-11
849.58

FS-MW-12
849.18

FS-MW-13
848.85

850.9
850.8
850.7
850.6
850.5
850.4
850.3
850
849.8
849.7
849.6
850.1
850.2
849.9
849.5
849.4
849.2
849.1
849
849.3

Packers Ave
Roth St
Myrtle St
Coolidge
1298
1286
1098
1048
2201
2249
2298
113

Notes:
1. Date of gauging 5/1 & 5/2, 2019
2. Local groundwater flow may be influenced by local boundary conditions such as submerged utility corridors, soil heterogeneity and diverse infiltration rates.
The overall direction of groundwater flow at the Site is toward the south-southeast

Warner Park
Bridges Golf Course
Village of Maple Bluff
Olbrich Park
Airport
0 0.75 1.5 Miles

Legend

- Monitoring Well Location
- Groundwater Contour (0.1 Ft. Interval)
- Groundwater Flow Direction
- Historical Site Features
- 910 Mayer Properties (Main Site)

N
0 70 140
Feet

Figure B.3.c
Groundwater Flow Direction
May 2019
Filling Station Area
910 Mayer LLC
910 Oscar Avenue
Madison, Wisconsin

Environmental Resources Management
www.erm.com
ERM

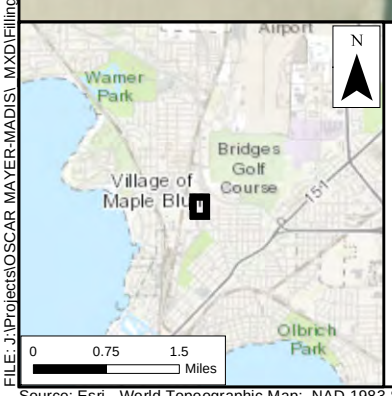
Source: Esri - World Topoographic Map; NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet

FILE: J:\Projects\OSCAR MAYER-MADISI_ MXD\FillingStation\FigureB.3.c-GroundwaterFlowDirection_MAY2019_20190717.mxd | REVISED: 12/03/2019 | SCALE: 1:900 when printed at 11x17

DRAWN BY: SRV

FS-MW-03
FS-MW-02
FS-MW-04
FS-MW-05
FS-MW-01
FS-MW-06
FS-MW-07
FS-MW-08
FS-MW-10
FS-MW-09
FS-MW-11
FS-MW-12
FS-MW-13

113
1298
Packers Ave
2298
Roth St
1286
1098
2201
Myrtle St
1048
2249
Myrtle
Coolidge



Legend

- Monitoring Well Location
- Historical Site Features
- 910 Mayer Properties (Main Site)

Notes:
1. All monitoring wells are scheduled to be abandoned in accordance with ch. NR 141 WAC upon closure approval.

N
0 70 140
Feet

Figure B.3.d
Monitor Well Network

Filling Station Area
910 Mayer LLC
910 Oscar Avenue
Madison, Wisconsin

Environmental Resources Management
www.erm.com
ERM

FILE: J:\Projects\OSCAR MAYER-MADIS\ MXD\FillingStation\FigureB.3.d-MonitorWellNetwork 20191203.mxd | REVISED: 12/03/2019 | SCALE: 1:900 when printed at 11x17

Source: Esri - World Topoographic Map; NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet

FIGURE B.4.a – Vapor Intrusion Map

Vapor intrusion was not evaluated at this site. There are no buildings or other structures occupied by humans where contamination was found. The greater portion of the Site is paved parking area. Residual contaminants are at concentrations that do not pose a risk from direct contact. The soil to groundwater pathway does not appear to be complete, as most of the groundwater samples returned non-detect.

FIGURE B.4.b – Other Media of Concern Map

Other media of concern was not evaluated at this site. There are no sediments, surface water or air requiring investigation or sampling as part of this closure. The greater portion of the Site is paved parking area.

Attachment B.5 Structural Impediment Photos

No structural impediments were encountered during the investigation that inhibited the placement of investigation borings and/or monitoring wells. Therefore, no photographs are included herein.

ATTACHMENT C

DOCUMENTATION OF REMEDIAL ACTION

C.1 Site Investigation Documentation

All Site Investigation documentation was previously submitted to WDNR.

Attachment C.2 Investigative Waste

Investigative waste was managed as follows:

- Soil cuttings were containerized and subsequently managed by the facility as non-hazardous waste and disposed of to the Madison Prairie Landfill (see attached manifests).
- Decontamination and purge water was discharged to the Madison Metropolitan Sewerage District's sanitary sewer.
- Disposable personal protective equipment was decontaminated and placed in the general trash on-Site.

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of	EBJ1

GENERATOR

3. Generator's Mailing Address:	Generator's Site Address (If different than mailing):	A. Manifest Number
910 Mayer LLC 910 Mayer Avenue Madison WI 53704	910 Mayer LLC 910 Mayer Avenue Madison WI 53704	WMNA 12-19-19-01
4. Generator's Phone 608-244-8424		B. State Generator's ID

5. Transporter 1 Company Name	6. US EPA ID Number	C. State Transporter's ID
EDLER BROS		D. Transporter's Phone
7. Transporter 2 Company Name	8. US EPA ID Number	E. State Transporter's ID
		F. Transporter's Phone
9. Designated Facility Name and Site Address	10. US EPA ID Number	G. State Facility ID
Madison Prairie Landfill 6002 Nelson Rd. Sun Prairie, WI 53590		H. State Facility Phone 608-837-9031

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. Soil Cuttings WM Profile # 132346WI 17 Barrels				5.17 tons	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K. Disposal Location			
BILL TO:	Cell		Level	
	Grid			

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT / PHONE NO.: 608-244-8424

16. GENERATOR'S CERTIFICATE:
I hereby certify that the above-described materials are not hazardous wastes as defined by CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
Josh Conners		12	19	19

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials				
Printed Name	Signature	Month	Day	Year
Joey Edler		12	19	19
18. Transporter 2 Acknowledgement of Receipt of Materials				
Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal
I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
		12	19	19

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Pink- FACILITY USE ONLY
Blue- GENERATOR #2 COPY
Gold- TRANSPORTER #1 COPY
Yellow- GENERATOR #1 COPY

Attachment C.3

Description of Methodology for Residual Contaminant Levels (RCLs)

The following methods were used for determining Site RCLs:

- Soil RCLs using the WDNR's RR program's spreadsheet of RCLs with soil levels protective of the direct contact pathway and groundwater quality.
- Groundwater using Chapter NR 140 prevention action limits and enforcement standards.

Attachment C.4

Construction Documentation is not applicable. No remedial action took place at this Site and therefore no construction of a remedy was applied.

Attachment C.5

Decommissioning of Remedial Systems

No remedial systems were constructed and therefore no decommissioning of remedial systems was necessary.

C.6 Other

Well survey information

Abandonment logs for former on-Site production wells

910 Mayer LLC
910 Mayer Ave.
Madison, WI 53704

Inquiry Number: 5734007.2s
July 30, 2019

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	USGS40001309937	0 - 1/8 Mile NW
A2	USGS40001329658	0 - 1/8 Mile SSW
A3	USGS40001309933	1/8 - 1/4 Mile SSW
4	USGS40001309927	1/8 - 1/4 Mile South
B5	USGS40001309967	1/8 - 1/4 Mile North
7	USGS40001309912	1/8 - 1/4 Mile South
B8	USGS40001309971	1/4 - 1/2 Mile North
E16	USGS40001310007	1/2 - 1 Mile North
E17	USGS40001329667	1/2 - 1 Mile North
F21	USGS40001310012	1/2 - 1 Mile NNW
45	USGS40001309869	1/2 - 1 Mile SW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
F20	WI5000000015680	1/2 - 1 Mile NNW
37	WI5000000335849	1/2 - 1 Mile West

PHYSICAL SETTING SOURCE MAP - 5734007.2s

- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data

SITE NAME:	910 Mayer LLC	CLIENT:	ERM, Inc.
ADDRESS:	910 Mayer Ave. Madison WI 53704	CONTACT:	Duncan Favill
		INQUIRY #:	5734007.2s
LAT/LONG:	43.110271 / 89.356737	DATE:	July 30, 2019 3:13 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

1
NW
0 - 1/8 Mile
Lower

FED USGS **USGS40001309937**

Organization ID:	USGS-WI	Organization Name:	USGS Wisconsin Water Science Center
Monitor Location:	DN-08/10E/31-0125	Type:	Well
Description:	Not Reported	HUC:	07090001
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	518	Well Depth Units:	ft
Well Hole Depth:	568	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	1	Level reading date:	1917-04-01
Feet below surface:	1.00	Feet to sea level:	Not Reported
Note:	Not Reported		

A2
SSW
0 - 1/8 Mile
Higher

FED USGS **USGS40001329658**

Organization ID:	USGS-WI	Organization Name:	USGS Wisconsin Water Science Center
Monitor Location:	PERM 43615	Type:	Well
Description:	Not Reported	HUC:	07090001
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

---

A3
SSW
1/8 - 1/4 Mile
Lower

FED USGS **USGS40001309933**

Organization ID:	USGS-WI	Organization Name:	USGS Wisconsin Water Science Center
Monitor Location:	DN-08/10E/31-0074	Type:	Well
Description:	Not Reported	HUC:	07090001
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Cambrian-Ordovician aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	685
Well Depth Units:	ft	Well Hole Depth:	755
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	45	Level reading date:	1983-01-18
Feet below surface:	48.40	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	1982-06-09	Feet below surface:	47.50

Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-05-11	Feet below surface:	68.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-04-21	Feet below surface:	82.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-03-10	Feet below surface:	47.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-02-10	Feet below surface:	61.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-01-08	Feet below surface:	59.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-12-15	Feet below surface:	73.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-11-09	Feet below surface:	72.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-10-09	Feet below surface:	65.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-09-09	Feet below surface:	73.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-08-09	Feet below surface:	66.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-07-08	Feet below surface:	95.86
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-05-09	Feet below surface:	49.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-04-09	Feet below surface:	49.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-03-13	Feet below surface:	59.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-02-10	Feet below surface:	52.05
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-02-09	Feet below surface:	28.92
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-01-07	Feet below surface:	42.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-12-09	Feet below surface:	40.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-11-09	Feet below surface:	43.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-10-10	Feet below surface:	66.00
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1980-08-10	Feet below surface:	50.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-07-07	Feet below surface:	54.94
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-06-07	Feet below surface:	60.05
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-05-13	Feet below surface:	58.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-04-09	Feet below surface:	50.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-03-10	Feet below surface:	50.45
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-02-08	Feet below surface:	61.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-01-18	Feet below surface:	58.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-12-09	Feet below surface:	31.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-11-26	Feet below surface:	46.86
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-10-09	Feet below surface:	50.29
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-08-08	Feet below surface:	91.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-07-09	Feet below surface:	77.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-06-11	Feet below surface:	61.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-05-10	Feet below surface:	85.88
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-04-10	Feet below surface:	67.42
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-03-09	Feet below surface:	72.82
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-02-09	Feet below surface:	72.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-01-06	Feet below surface:	46.31
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-12-18	Feet below surface:	58.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-12-12	Feet below surface:	72.00
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1978-11-09	Feet below surface:	76.13
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-05-19	Feet below surface:	21.74
Feet to sea level:	Not Reported	Note:	Not Reported

4
South
1/8 - 1/4 Mile
Lower

FED USGS **USGS40001309927**

Organization ID:	USGS-WI	Organization Name:	USGS Wisconsin Water Science Center
Monitor Location:	DN-08/10E/31-0075	Type:	Well
Description:	Not Reported	HUC:	07090001
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Cambrian-Ordovician aquifer system		
Formation Type:	Mount Simon Sandstone	Aquifer Type:	Not Reported
Construction Date:	19460101	Well Depth:	730
Well Depth Units:	ft	Well Hole Depth:	755
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	1	Level reading date:	1946-01-01
Feet below surface:	39.00	Feet to sea level:	Not Reported
Note:	Not Reported		

B5
North
1/8 - 1/4 Mile
Higher

FED USGS **USGS40001309967**

Organization ID:	USGS-WI	Organization Name:	USGS Wisconsin Water Science Center
Monitor Location:	DN-08/10E/31-1061	Type:	Well
Description:	Not Reported	HUC:	07090001
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

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6
SE
1/8 - 1/4 Mile
Higher

AQUIFLOW **44931**

Site ID:	113004650
Groundwater Flow:	Varies
Shallowest Water Table Depth:	6
Deepest Water Table Depth:	9
Average Water Table Depth:	Not Reported
Date:	01/1998

7
South
1/8 - 1/4 Mile
Lower

FED USGS **USGS40001309912**

Organization ID:	USGS-WI	Organization Name:	USGS Wisconsin Water Science Center
Monitor Location:	DN-08/10E/31-0892	Type:	Well
Description:	Not Reported	HUC:	07090001

Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	720	Well Depth Units:	ft
Well Hole Depth:	725	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	1	Level reading date:	1963-01-01
Feet below surface:	70.00	Feet to sea level:	Not Reported
Note:	Not Reported		

B8
North
1/4 - 1/2 Mile
Higher

FED USGS **USGS40001309971**

Organization ID:	USGS-WI	Organization Name:	USGS Wisconsin Water Science Center
Monitor Location:	DN-08/10E/31-1105	Type:	Well
Description:	Not Reported	HUC:	07090001
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Cambrian-Ordovician aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	400
Well Depth Units:	ft	Well Hole Depth:	405
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	1	Level reading date:	1975-11-01
Feet below surface:	38.00	Feet to sea level:	Not Reported
Note:	Not Reported		

9
SE
1/4 - 1/2 Mile
Higher

AQUIFLOW **45746**

Site ID:	116038
Groundwater Flow:	Flat
Shallowest Water Table Depth:	6
Deepest Water Table Depth:	10
Average Water Table Depth:	Not Reported
Date:	06/1999

10
SSW
1/4 - 1/2 Mile
Lower

AQUIFLOW **45398**

Site ID:	28380
Groundwater Flow:	W
Shallowest Water Table Depth:	5/8
Deepest Water Table Depth:	38/11
Average Water Table Depth:	Not Reported
Date:	08/08/1997

C11
WNW
1/4 - 1/2 Mile
Lower

AQUIFLOW **44998**

Site ID:	30253
Groundwater Flow:	NE
Shallowest Water Table Depth:	13
Deepest Water Table Depth:	14
Average Water Table Depth:	Not Reported
Date:	09/1999

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

			Database	EDR ID Number
C12 **WNW** **1/4 - 1/2 Mile** **Higher**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	167557 N 12 19 Not Reported 01/1999	**AQUIFLOW**	**44826**
D13 **SSW** **1/4 - 1/2 Mile** **Lower**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	27428 Not Reported 5 7 Not Reported 09/1995	**AQUIFLOW**	**45484**
14 **SW** **1/4 - 1/2 Mile** **Lower**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	25351 ENE 5.50 9.78 Not Reported 03/1998	**AQUIFLOW**	**44744**
D15 **SSW** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	26222 W 8.29 9.19 Not Reported 06/1997	**AQUIFLOW**	**44899**

E16
North
1/2 - 1 Mile
Higher

FED USGS **USGS40001310007**

Organization ID:	USGS-WI	Organization Name:	USGS Wisconsin Water Science Center
Monitor Location:	DN-08/10E/31-0053	Type:	Well
Description:	Not Reported	HUC:	07090001
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Cambrian-Ordovician aquifer system		
Formation Type:	Elk Mound Group	Aquifer Type:	Not Reported
Construction Date:	19390101	Well Depth:	737
Well Depth Units:	ft	Well Hole Depth:	737
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	1	Level reading date:	1939-01-01
Feet below surface:	43.00	Feet to sea level:	Not Reported
Note:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

E17
North
1/2 - 1 Mile
Higher

FED USGS **USGS40001329667**

Organization ID:	USGS-WI	Organization Name:	USGS Wisconsin Water Science Center
Monitor Location:	USER 430 13	Type:	Well
Description:	Not Reported	HUC:	07090001
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

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18
SW
1/2 - 1 Mile
Lower

AQUIFLOW **44856**

Site ID:	104765
Groundwater Flow:	W
Shallowest Water Table Depth:	12
Deepest Water Table Depth:	14
Average Water Table Depth:	Not Reported
Date:	09/1997

19
WSW
1/2 - 1 Mile
Lower

AQUIFLOW **45013**

Site ID:	Not Reported
Groundwater Flow:	Not Reported
Shallowest Water Table Depth:	5.67
Deepest Water Table Depth:	6.00
Average Water Table Depth:	Not Reported
Date:	03/1995

F20
NNW
1/2 - 1 Mile
Higher

WI WELLS **WI5000000015680**

WI Well #:	BF507	Date Completed:	19390101
DNR Received:	18991230	Construction Name:	MCCARTHY WELL CO
Constructor ID:	391	Well Status:	1
Original Year:	0	Reason for Replacement:	Not Reported
Previous Well ID:	Not Reported	New Well ID:	Not Reported
Well Type:	1	Well Category:	M
Facility Type:	Not Reported	Pump Level Below Surface:	137
Pump Amt (gal):	1750	Pump Time (hrs):	0
Well Grade (in):	0	Well Developed:	Not Reported
Well Capped:	Not Reported	Well Depth:	736.8

F21
NNW
1/2 - 1 Mile
Higher

FED USGS **USGS40001310012**

Organization ID:	USGS-WI	Organization Name:	USGS Wisconsin Water Science Center
Monitor Location:	DN-08/10E/31-0128	Type:	Well
Description:	Not Reported	HUC:	07090001
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	250	Well Depth Units:	ft
Well Hole Depth:	250	Well Hole Depth Units:	ft

G22
SSW
1/2 - 1 Mile
Lower

Site ID:	95677
Groundwater Flow:	Not Reported
Shallowest Water Table Depth:	12
Deepest Water Table Depth:	15
Average Water Table Depth:	Not Reported
Date:	05/03/1999

AQUIFLOW **45416**

23
SSW
1/2 - 1 Mile
Lower

Site ID:	Not Reported
Groundwater Flow:	Not Reported
Shallowest Water Table Depth:	17
Deepest Water Table Depth:	20
Average Water Table Depth:	Not Reported
Date:	02/1998

AQUIFLOW **44992**

H24
SE
1/2 - 1 Mile
Higher

Site ID:	96633
Groundwater Flow:	SW
Shallowest Water Table Depth:	7.4
Deepest Water Table Depth:	10.6
Average Water Table Depth:	Not Reported
Date:	08/1998

AQUIFLOW **45016**

H25
SE
1/2 - 1 Mile
Higher

Site ID:	Not Reported
Groundwater Flow:	SSW
Shallowest Water Table Depth:	8.53
Deepest Water Table Depth:	19.46
Average Water Table Depth:	Not Reported
Date:	01/1998

AQUIFLOW **44960**

G26
SSW
1/2 - 1 Mile
Lower

Site ID:	Not Reported
Groundwater Flow:	Not Reported
Shallowest Water Table Depth:	40
Deepest Water Table Depth:	Not Reported
Average Water Table Depth:	Not Reported
Date:	12/1998

AQUIFLOW **44820**

I27
SE
1/2 - 1 Mile
Lower

Site ID:	28749
Groundwater Flow:	SW
Shallowest Water Table Depth:	7
Deepest Water Table Depth:	8
Average Water Table Depth:	Not Reported
Date:	05/1999

AQUIFLOW **44966**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
I28 **SE** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	Not Reported S 8 12 Not Reported 04/1994	**AQUIFLOW**	**45753**
J29 **SSE** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	26633 S, SW 12.32 22.25 Not Reported 05/1998	**AQUIFLOW**	**44745**
I30 **SE** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	Not Reported SW 10 12 Not Reported 12/1998	**AQUIFLOW**	**44772**
J31 **SSE** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	28190 WNW 15.64 23.46 Not Reported 07/1998	**AQUIFLOW**	**44959**
K32 **SSW** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	29381 SE 8 12 Not Reported 06/09/1997	**AQUIFLOW**	**45331**
L33 **SW** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	Not Reported NW 22.05 32.16 Not Reported 10/1994	**AQUIFLOW**	**44762**
L34 **SW** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	Not Reported N 24 26 Not Reported 03/1998	**AQUIFLOW**	**45000**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

			Database	EDR ID Number
M35 **ESE** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	28703 Not Reported 10 15 Not Reported 05/08/1996	**AQUIFLOW**	**45552**
K36 **SSW** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	Not Reported SE 8 12 Not Reported 09/30/1997	**AQUIFLOW**	**45697**
37 **West** **1/2 - 1 Mile** **Lower**			**WI WELLS**	**WI5000000335849**

WI Well #:	UY432	Date Completed:	20090721
DNR Received:	20090810	Construction Name:	TODD HUEMANN
Constructor ID:	6138	Well Status:	1
Original Year:	Not Reported	Reason for Replacement:	Not Reported
Previous Well ID:	Not Reported	New Well ID:	Not Reported
Well Type:	1	Well Category:	L
Facility Type:	LOOP FIELD	Pump Level Below Surface:	0
Pump Amt (gal):	0	Pump Time (hrs):	0
Well Grade (in):	0	Well Developed:	Not Reported
Well Capped:	Not Reported	Well Depth:	150

M38 **ESE** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	20248 E 5 11 Not Reported 06/1999	**AQUIFLOW**	**44853**
39 **ESE** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	28698 E 13 13 Not Reported 02/1996	**AQUIFLOW**	**45017**
40 **South** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	Not Reported SE 8 12 Not Reported 04/1998	**AQUIFLOW**	**44741**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

			Database	EDR ID Number
41 **SSE** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	113009270 Not Reported 20.55 22.34 Not Reported 06/25/1998	**AQUIFLOW**	**45412**
42 **North** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	25702 SW 47.51 50 Not Reported 03/23/1993	**AQUIFLOW**	**45524**
43 **SSW** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	20206 NW 8 12 Not Reported 10/1998	**AQUIFLOW**	**45045**
44 **South** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	27447 SW 17.80 20.29 Not Reported 08/21/1996	**AQUIFLOW**	**45494**

45
SW
1/2 - 1 Mile
Lower

FED USGS **USGS40001309869**

Organization ID:	USGS-WI	Organization Name:	USGS Wisconsin Water Science Center
Monitor Location:	DN-07/09E/12-0067	Type:	Well
Description:	Not Reported	HUC:	07090001
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	130	Well Depth Units:	ft
Well Hole Depth:	130	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	1	Level reading date:	1959-05-04
Feet below surface:	18.97	Feet to sea level:	Not Reported
Note:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
1G **North** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	25702 SW 47.51 50 Not Reported 03/23/1993	**AQUIFLOW**	**45524**
2G **WNW** **1/4 - 1/2 Mile** **Lower**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	167557 N 12 19 Not Reported 01/1999	**AQUIFLOW**	**44826**
3G **WNW** **1/4 - 1/2 Mile** **Lower**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	30253 NE 13 14 Not Reported 09/1999	**AQUIFLOW**	**44998**
4G **SE** **1/8 - 1/4 Mile** **Lower**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	113004650 Varies 6 9 Not Reported 01/1998	**AQUIFLOW**	**44931**
5G **WSW** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	Not Reported Not Reported 5.67 6.00 Not Reported 03/1995	**AQUIFLOW**	**45013**
6G **SE** **1/4 - 1/2 Mile** **Lower**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	116038 Flat 6 10 Not Reported 06/1999	**AQUIFLOW**	**45746**
7G **SW** **1/4 - 1/2 Mile** **Lower**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	25351 ENE 5.50 9.78 Not Reported 03/1998	**AQUIFLOW**	**44744**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
8G **SSW** **1/4 - 1/2 Mile** **Lower**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	28380 W 5/8 38/11 Not Reported 08/08/1997	**AQUIFLOW**	**45398**
9G **ESE** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	28698 E 13 13 Not Reported 02/1996	**AQUIFLOW**	**45017**
10G **ESE** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	20248 E 5 11 Not Reported 06/1999	**AQUIFLOW**	**44853**
11G **ESE** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	28703 Not Reported 10 15 Not Reported 05/08/1996	**AQUIFLOW**	**45552**
12G **SSW** **1/4 - 1/2 Mile** **Lower**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	27428 Not Reported 5 7 Not Reported 09/1995	**AQUIFLOW**	**45484**
13G **SW** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	104765 W 12 14 Not Reported 09/1997	**AQUIFLOW**	**44856**
14G **SE** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	Not Reported SW 10 12 Not Reported 12/1998	**AQUIFLOW**	**44772**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
15G **SSW** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	26222 W 8.29 9.19 Not Reported 06/1997	**AQUIFLOW**	**44899**
16G **SE** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	Not Reported S 8 12 Not Reported 04/1994	**AQUIFLOW**	**45753**
17G **SE** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	28749 SW 7 8 Not Reported 05/1999	**AQUIFLOW**	**44966**
18G **SE** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	96633 SW 7.4 10.6 Not Reported 08/1998	**AQUIFLOW**	**45016**
19G **SE** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	Not Reported SSW 8.53 19.46 Not Reported 01/1998	**AQUIFLOW**	**44960**
20G **SSW** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	Not Reported Not Reported 17 20 Not Reported 02/1998	**AQUIFLOW**	**44992**
21G **SW** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	Not Reported NW 22.05 32.16 Not Reported 10/1994	**AQUIFLOW**	**44762**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
22G **SW** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	Not Reported N 24 26 Not Reported 03/1998	**AQUIFLOW**	**45000**
23G **SSE** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	26633 S, SW 12.32 22.25 Not Reported 05/1998	**AQUIFLOW**	**44745**
24G **SSE** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	28190 WNW 15.64 23.46 Not Reported 07/1998	**AQUIFLOW**	**44959**
25G **SSW** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	95677 Not Reported 12 15 Not Reported 05/03/1999	**AQUIFLOW**	**45416**
26G **SSW** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	Not Reported Not Reported 40 Not Reported Not Reported 12/1998	**AQUIFLOW**	**44820**
27G **SSW** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	29381 SE 8 12 Not Reported 06/09/1997	**AQUIFLOW**	**45331**
28G **SSW** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	Not Reported SE 8 12 Not Reported 09/30/1997	**AQUIFLOW**	**45697**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
29G **SSE** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	113009270 Not Reported 20.55 22.34 Not Reported 06/25/1998	**AQUIFLOW**	**45412**
30G **South** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	Not Reported SE 8 12 Not Reported 04/1998	**AQUIFLOW**	**44741**
31G **SSW** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	20206 NW 8 12 Not Reported 10/1998	**AQUIFLOW**	**45045**
32G **South** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	27447 SW 17.80 20.29 Not Reported 08/21/1996	**AQUIFLOW**	**45494**

State of Wisconsin
Department of Natural Resources

Phyllis

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B Rev. 3-94

Copied for fill-sand

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location

County: Dane

NW 1/4 of NW 1/4 of Sec. 6 ; T. 7 N; R. 10 ☒ E ☐ W

(If applicable) Gov't Lot _____ Grid Number _____

Grid Location _____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Civil Town Name: Blooming Grove CITY OF MADISON

Street Address of Well: 910 Mayer Avenue

City, Village: Madison,

(2) FACILITY NAME

Original Well Owner (If Known): Oscar Mayer

Present Well Owner: Oscar Mayer

Street or Route: 910 Mayer Avenue

City, State, Zip Code: Madison, WI.

Facility Well No. and/or Name (If Applicable): _____ WI Unique Well No.: NA

Reason For Abandonment: out of service

Date of Abandonment: March 17, 1997

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) [illegible]

☒ Monitoring Well
☐ Water Well
☐ Drillhole
☐ Borehole

Construction Report Available?
☐ Yes ☒ No

Construction Type:
☐ Drilled ☒ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) _____

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 27 (From groundsurface)
Casing Diameter (in.) 2
Casing Depth (ft.) _____

Lower Drillhole Diameter (in.) _____

Was Well Annular Space Grouted? ☒ Yes ☐ No ☐ Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet) dry

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☒ Not Applicable
Screen Removed?	☐ Yes	☒ No	☐ Not Applicable
Casing Left in Place?	☒ Yes	☐ No	

If No, Explain _____

Was Casing Cut Off Below Surface?	☒ Yes	☐ No
Did Sealing Material Rise to Surface?	☒ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	☒ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No

(5) Required Method of Placing Sealing Material

☒ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Dump Bailer ☐ Other (Explain)

(6) Sealing Materials

☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☐ Chipped Bentonite

For monitoring wells and monitoring well boreholes only

☐ Bentonite Pellets
☒ Granular Bentonite
☐ Bentonite - Cement Grout

(7) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume (Circle One)	Mix Ratio or Mud Weight
granular bentonite	Surface	27	1	

RECEIVED
MAR 21 [illegible]
Dane County Environmental Health Department

(8) Comments: This was a monitoring well

(9) Name of Person or Firm Doing Sealing Work
WATER WELLS INC.

Signature of Person Doing Work: Peter Berkhoff
Date Signed: 3/19/97

Street or Route: 6400 Lake Road
Telephone Number: (608) 846-4697

City, State, Zip Code: Windsor, WI. 53598

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected: 3-20-97	District/County: DANE CO
Reviewer/Inspector: S. Borsay	☒ Complying Work ☐ Noncomplying Work
Follow-up Necessary: NO	

02848

DNR/COUNTY

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5 2/2000 Page 1 of 2

Notice: Please complete Form 3300-5 and return it to the appropriate DNR office and bureau. Completion of this report is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. *Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See the instructions for more information.*

Route to: [X] Drinking Water ☐ Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☐ Other _____

(1) GENERAL INFORMATION

WI Unique Well No.	DNR Well ID No.	County
MK433	2245	DANE

Common Well Name: Well #6 _____ Gov't Lot (If applicable)

SE 1/4 of SW 1/4 of Sec. 31 ; T. 8 N; R. 10 [X] E ☐ W
Grid Location

_____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Local Grid Origin ☐ (estimated: ☐) or Well Location ☐

Lat. ___ ___ ___ Long ___ ___ ___ or

St. Plane _____ ft. N. _____ ft. E. ☐ S ☐ C ☐ N Zone

Reason For Abandonment	WI Unique Well No. of Replacement Well
Non - Use	_ _ _ _ _ _

(2) FACILITY/OWNER INFORMATION

Facility Name: Oscar Mayer

Facility ID	License/Permit/Monitoring No.

Street Address of Well: 910 Mayer Avenue, Madison, WI

City, Village, or Town: Madison

Present Well Owner	Original Owner
Kraft Foods	

Street Address or Route of Owner: 910 Mayer Avenue

City, State, Zip Code: Madison WI 53704-

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Construction Date: 07/19/1999

☐ Monitoring Well
[X] Water Well
☐ Borehole / Drillhole

If a Well Construction Report is available, please attach.

Construction Type:
[X] Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) _____

Formation Type:
☐ Unconsolidated Formation [X] Bedrock

Total Well Depth (ft.) (From groundsurface): 730 Casing Diameter (in.): 24
Casing Depth (ft.): 336

Lower Drillhole Diameter (in.): 17

Was Well Annular Space Grouted? [X] Yes ☐ No ☐ Unknown

If Yes, To What Depth? 336 Feet

Depth to Water (Feet) _____

(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL

Pump & Piping Removed?	[X] Yes	☐ No	☐ Not Applicable
Liner(s) Removed?	[X] Yes	☐ No	☐ Not Applicable
Screen Removed?	☐ Yes	[X] No	☐ Not Applicable
Casing Left in Place?	[X] Yes	☐ No	
Was Casing Cut Off Below Surface?	☐ Yes	[X] No	
Did Sealing Material Rise to Surface?	[X] Yes	☐ No	
Did Material Settle After 24 Hours?	☐ Yes	[X] No	
If Yes, Was Hole Retopped?	☐ Yes	☐ No	

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity [X] Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) ☐ Other (Explain)

Sealing Materials
[X] Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Bentonite-Sand Slurry " "
☐ Bentonite Chips

For monitoring wells and monitoring well boreholes only
☐ Bentonite Chips
☐ Granular Bentonite
☐ Bentonite - Cement Grout
☐ Bentonite - Sand Slurry

(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	(Circle One)	Mix Ratio or Mud Weight
Neat Cement	Surface	730	55		5.5 h2O/sk

(6) Comments: 16" Upper Liner Removed

File 13-3-0013 re Demo

(7) Name of Person or Firm Doing Sealing Work	Date of Abandonment
Municipal Well and Pump	11/01/2007
Signature of Person Doing Work	**Date Signed**
Street or Route: 1212 Storbeck Drive	**Telephone Number**: (920)324-3400
City, State, Zip Code: Waupun WI 53963-	

FOR DNR OR COUNTY USE ONLY

Date Received	Noted By

Comments

181896

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5 2/2000 Page 1 of 2

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Route to: [X] Drinking Water ☐ Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☐ Other _____

(1) GENERAL INFORMATION

WI Unique Well No.	DNR Well ID No.	County
BE384	43613	DANE

Common Well Name: Well #4 _____ Gov't Lot (If applicable)

Grid Location: SE 1/4 of SW 1/4 of Sec. 31 ; T. 8 N; R. 10 [X] E ☐ W

_____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W

Local Grid Origin ☐ (estimated: ☐) or Well Location ☐

Lat. ° ' " Long ° ' " or

St. Plane _____ ft. N. _____ ft. E. ☐☐☐ Zone (S C N)

Reason For Abandonment	WI Unique Well No. of Replacement Well
Non-Use	_ _ _ _ _ _

(2) FACILITY/OWNER INFORMATION

Facility Name: Oscar Mayer

Facility ID	License/Permit/Monitoring No.

Street Address of Well: 910 Mayer Avenue

City, Village, or Town: Madison

Present Well Owner	Original Owner
Kraft Foods	

Street Address or Route of Owner: 910 Mayer Avenue

City, State, Zip Code: Madison WI 53704-

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Construction Date: 07/13/1963

☐ Monitoring Well
[X] Water Well
☐ Borehole / Drillhole

If a Well Construction Report is available, please attach.

Construction Type:
[X] Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) _____

Formation Type:
☐ Unconsolidated Formation [X] Bedrock

Total Well Depth (ft.) (From groundsurface): 720 Casing Diameter (in.): 20

Casing Depth (ft.): 380

Lower Drillhole Diameter (in.): 19

Was Well Annular Space Grouted? [X] Yes ☐ No ☐ Unknown

If Yes, To What Depth? 380 Feet

Depth to Water (Feet): _____

(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL

Pump & Piping Removed?	[X] Yes	☐ No	☐ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	[X] Not Applicable
Screen Removed?	☐ Yes	☐ No	[X] Not Applicable
Casing Left in Place?	[X] Yes	☐ No	
Was Casing Cut Off Below Surface?	☐ Yes	[X] No	
Did Sealing Material Rise to Surface?	[X] Yes	☐ No	
Did Material Settle After 24 Hours?	☐ Yes	[X] No	
If Yes, Was Hole Retopped?	☐ Yes	☐ No	

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity [X] Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) ☐ Other (Explain)

Sealing Materials
[X] Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Bentonite-Sand Slurry " "
☐ Bentonite Chips

For monitoring wells and monitoring well boreholes only
☐ Bentonite Chips
☐ Granular Bentonite
☐ Bentonite - Cement Grout
☐ Bentonite - Sand Slurry

(5) Material Used To Fill Well/Drillhole

From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume (Circle One)	Mix Ratio or Mud Weight
Neat Cement			
Surface	720	226.7	5.5 h20/sk

(6) Comments: Much cavernous bore hole

File 13-3-0013 cs Dane

(7) Name of Person or Firm Doing Sealing Work: Municipal Well and Pump - Tracy Greenfield

Date of Abandonment: 10/29/2007

Signature of Person Doing Work _____ Date Signed _____

Street or Route: 1212 Storbeck Drive

Telephone Number: (920)324-3400

City, State, Zip Code: Waupun WI 53963-

FOR DNR OR COUNTY USE ONLY

Date Received	Noted By

Comments _____

191839

State of Wis Dept of Natural Resources
dnr wi gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08) Page 1 of 2

Notice: Completion of this report is required by chs 160 281 283 289 291-293 295 and 299, Wis Stats and ch NR 141 Wis Adm Code In accordance with chs 281, 289, 291-293, 295, and 299, Wis Stats , failure to file this form may result in a forfeiture of between $10-25 000, or imprisonment for up to one year depending on the program and conduct involved Personally identifiable information on this form is not intended to be used for any other purpose Return form to the appropriate DNR office and bureau See instructions on reverse for more information

☐ Verification Only of Fill and Seal

Route to:
☒ Drinking Water ☐ Watershed/Wastewater ☐ Remediation/Redevelopment
☐ Waste Management ☐ Other

1. Well Location Information

County: DANE

WI Unique Well # of Removed Well: _ _ _ _ _

Hicap #:

Latitude / Longitude (Degrees and Minutes): _ _ ° _ _ . _ _ _ °N ; _ _ ° _ _ . _ _ _ °W

Method Code (see instructions):

¼ / ¼: SE ¼: SW

or Gov't Lot #:

Section: 31 Township: 8 N Range: 10 ☒ E ☐ W

Well Street Address: 910 Mayer Avenue

Well City, Village or Town: Madison

Well ZIP Code:

Subdivision Name:

Lot #:

Reason For Removal From Service: Non-Use

WI Unique Well # of Replacement Well: _ _ _ _ _

2. Facility / Owner Information

Facility Name: Oscar Mayer

Facility ID (FID or PWS):

License/Permit/Monitoring #:

Original Well Owner:

Present Well Owner: Kraft Foods

Mailing Address of Present Owner: 910 Mayer Avenue

City of Present Owner: Madison State: WI ZIP Code: 53704-

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☒ Water Well
☐ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 07/13/1963

If a Well Construction Report is available, please attach

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (specify):

Formation Type:
☐ Unconsolidated Formation ☒ Bedrock

Total Well Depth From Ground Surface (ft.): 720

Casing Diameter (in.): 20

Lower Drillhole Diameter (in.): 19

Casing Depth (ft.): 380

Was well annular space grouted? ☒ Yes ☐ No ☐ Unknown

If yes, to what depth (feet)? 380

Depth to Water (feet):

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☒ Yes	☐ No	☐ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☒ Yes	☐ No	☐ N/A
Was casing cut off below surface?	☐ Yes	☒ No	☐ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☐ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☒ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) ☐ Other (Explain)

Sealing Materials
☒ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

	From (ft.)	To (ft.)		
Neat Cement	Surface	720	226.7	5.5 h20/sk

6. Comments

Much cavernous bore hole

rc 13-3-2013

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing: Municipal Well and Pump - Tracy Greenfield

License #:

Date of Filling & Sealing (mm/dd/yyyy): 10/29/2007

Street or Route: 1212 Storbeck Drive

Telephone Number: (920) 324-3400

City: Waupun State: WI ZIP Code: 53963-

Signature of Person Doing Work:

Date Signed:

DNR Use Only

Date Received:

Noted By:

Comments:

183378

State of Wis , Dept of Natural Resources
dnr wi gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

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☐ Verification Only of Fill and Seal

Route to:
☒ Drinking Water ☐ Watershed/Wastewater ☐ Remediation/Redevelopment
☐ Waste Management ☐ Other

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
DANE	MK433	2246

Latitude / Longitude (Degrees and Minutes) ___ ___ . ___ ___ . ___ ___ 'N / ___ ___ . ___ ___ . ___ ___ 'W

Method Code (see instructions)

¼ / ¼	¼	Section	Township	Range	
SE	SW	31	8 N	10	☒ E ☐ W
or Gov't Lot #					

Well Street Address: 910 Mayer Avenue, Madison, WI

Well City, Village or Town	Well ZIP Code
Madison	
Subdivision Name	Lot #

Reason For Removal From Service	WI Unique Well # of Replacement Well
Non - Use	

2. Facility / Owner Information

Facility Name: Oscar Mayer

Facility ID (FID or PWS):

License/Permit/Monitoring #:

Original Well Owner:

Present Well Owner: Kraft Foods

Mailing Address of Present Owner: 910 Mayer Avenue

City of Present Owner	State	ZIP Code
Madison	WI	53704-

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☒ Water Well
☐ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 07/19/1999

If a Well Construction Report is available, please attach

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (specify).

Formation Type:
☐ Unconsolidated Formation ☒ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
730	24
Lower Drillhole Diameter (in.) 17	Casing Depth (ft.) 336

Was well annular space grouted? ☒ Yes ☐ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
336	

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☒ Yes	☐ No	☐ N/A
Liner(s) removed?	☒ Yes	☐ No	☐ N/A
Screen removed?	☐ Yes	☒ No	☐ N/A
Casing left in place?	☒ Yes	☐ No	☐ N/A
Was casing cut off below surface?	☐ Yes	☒ No	☐ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☐ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☒ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) ☐ Other (Explain).

Sealing Materials
☒ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb /gal wt)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)		
Neat Cement	Surface	730	55	5.5 h2O/sk

6. Comments

16" Upper Liner Removed

CC 13-3-0013

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
Municipal Well and Pump		11/01/2007

Street or Route	Telephone Number
1212 Storbeck Drive	(920) 324-3400

City	State	ZIP Code
Waupun	WI	53963-

Signature of Person Doing Work

Date Signed

DNR Use Only

Date Received	Noted By

Comments

189371

ATTACHMENT D

MAINTENANCE PLAN AND PHOTOGRAPHS

Cover Maintenance Plan

February 14, 2020

Oscar Mayer Former Filling Station East
910 Oscar Ave
Madison, WI
BRRTS #02-13-580722

Site Definition: The Site consists of two parcels including portions of 910 Oscar Ave and 2150 Commercial AVE. The site boundaries are outlined in Figure B.1.b of the Case Closure Package as well as the figure provided in Section D.2 of this Plan.

Legal Description:

910 Oscar AVE[1]

T8N R10E, SEC 31, PART E 1/2 SW 1/4 & PART NW 1/4 SE 1/4 & PART OUTLOT 1, WOODLAND, FULLY DESC AS FOL: BEG AT THE INTERS OF N LN COMMERCIAL AVE & W LN OF PACKERS AVE, TH N ALG W LN OF PACKERS AVE TO THE N LN OF THE E PART OF ROTH EXTENDED WLY, TH E ALG THE N LN OF ROTH ST TO R/W LN OF HWY 113, TH NLY ALG W LN OF HWY 113 R/W TO A PT ON W LN OF PACKERS AVE 168.9 FT S OF E-W 1/4 LN, TH N 51 DEG 11 MIN W 127.2 172.3 FT TO A PT ON A LN 33 FT S OF E-W 1/4 LN, TH W ON SD LN TO E-W RR ROW LN, TH SLY ALG SD R/W LN TO N LN OF COMMERCIAL AVE, TH E ALG N LN SD AVE TO POB. ALSO VACATED ROTH ST BETW RR R/W & PACKERS AVE, ALSO VACATED PACKERS AVE LYING BETW THE WLY EXTENSION OF THE N LN OF E SEC OF ROTH & THE SLY R/W LN OF ABERG AVE INTERCHANGE, ALSO VACATED MACKIN ST BETW VACATED PACKERS AVE & HWY 113 R/W, ALSO WOODLAND, LOTS 1, 2, 3 & 4 BLK 3 AND ALL OF VACATED ROTH ST BETWEEN OLD PACKERS AVE AND HWY 113, AND EXC PRT OF LOT 1 DESC AS FOL, BEG NW COR LOT 1, TH E 44 FT ON N LOT LN TO E LN SD LOT, TH S 10 FT ALG E LN, TH SWLY TO W LN SD LOT 1, 10 FT N OF SW COR, TH N 102.1 FT ON W LN TO POB, ALSO WOODLAND, LOTS 1, 2, 3, 17, 18 AND 19 BLOCK 1 LYING W OF NEW HWY 113, ALL VACATED MAYER AVE BTWN HWY 133 & PACKERS AVE AND ALL OF VACATED COOLIDGE ST ADJ LOTS 1, 2, AND 3 ON THE N AND PRT OF SEC 31, T8N, R10E, SE 1/4 LYING N OF THE E 16 FT OF PACKERS AVE ADJ ON THE W AND EXTENDING FROM THE C/L OF VAC COOLIDGE ST TO A PT 200 FT N OF N LN COMMERCIAL AVE ADJ ON THE W AND EXTENDING FROM THE C/L OF VAC COOLIDGE ST TO A PT 200 FT N OF N LN COMMERCIAL AVE, AND WOODLAND, LOTS 1, 17, 18, 19 AND 20, BLK 2 AND VACATED 16 FT PACKERS AVE ON THE W BTWN THE N LN COOLIDGE ST EXTENDED AND THE S LN MYRTLE ST EXTENDED, THAT PART WEST OF PACKERS AVE SERVICE ROAD. NOW ASSESSED BY STATE OF WISCO NSIN, FOR ASSMT PURP ONLY THIS PARCEL CARRIES ASSMT FOR ALL OSCAR MAYER PARCELS

[1] Although the Site address is specified in the BRRTS database as 910 Mayer Ave., the Dane County properties database refers to this Site as 910 Oscar Ave.

2150 Commercial AVE

T8N R10E, SEC 31, PART E 1/2 SW 1/4 & PART NW 1/4 SE 1/4 & PART OUTLOT 1, WOODLAND, FULLY DESC AS FOL: BEG AT THE INTERS OF N LN COMMERCIAL AVE & W LN OF PACKERS AVE, TH N ALG W LN OF PACKERS AVE TO THE N LN OF THE E PART OF ROTH EXTENDED WLY, TH E ALG THE N LN OF ROTH ST TO R/W LN OF HWY 113, TH NLY ALG W LN OF HWY 113 R/W TO A PT ON W LN OF PACKERS AVE 168.9 FT S OF E-W 1/4 LN, TH N 51 DEG 11 MIN W 127.2 172.3 FT TO A PT ON A LN 33 FT S OF E-W 1/4 LN, TH W ON SD LN TO E-W RR ROW LN, TH SLY ALG SD R/W LN TO N LN OF COMMERCIAL AVE, TH E ALG N LN SD AVE TO POB. ALSO VACATED ROTH ST BETW RR R/W & PACKERS AVE, ALSO VACATED PACKERS AVE LYING BETW THE WLY EXTENSION OF THE N LN OF E SEC OF ROTH & THE SLY R/W LN OF ABERG AVE INTERCHANGE, ALSO VACATED MACKIN ST BETW VACATED PACKERS AVE & HWY 113 R/W, ALSO WOODLAND, LOTS 1, 2, 3 & 4 BLK 3 AND ALL OF VACATED ROTH ST BETWEEN OLD PACKERS AVE AND HWY 113, AND EXC PRT OF LOT 1 DESC AS FOL, BEG NW COR LOT 1, TH E 44 FT ON N LOT LN TO E LN SD LOT, TH S 10 FT ALG E LN, TH SWLY TO W LN SD LOT 1, 10 FT N OF SW COR, TH N 102.1 FT ON W LN TO POB, ALSO WOODLAND, LOTS 1, 2, 3, 17, 18 AND 19 BLOCK 1 LYING W OF NEW HWY 113, ALL VACATED MAYER AVE BTWN HWY 133 & PACKERS AVE AND ALL OF VACATED COOLIDGE ST ADJ LOTS 1, 2, AND 3 ON THE N AND PRT OF SEC 31, T8N, R10E, SE 1/4 LYING N OF THE E 16 FT OF PACKERS AVE ADJ ON THE W AND EXTENDING FROM THE C/L OF VAC COOLIDGE ST TO A PT 200 FT N OF N LN COMMERCIAL AVE ADJ ON THE W AND EXTENDING FROM THE C/L OF VAC COOLIDGE ST TO A PT 200 FT N OF N LN COMMERCIAL AVE, AND WOODLAND, LOTS 1, 17, 18, 19 AND 20, BLK 2 AND VACATED 16 FT PACKERS AVE ON THE W BTWN THE N LN COOLIDGE ST EXTENDED AND THE S LN MYRTLE ST EXTENDED, THAT PART EAST OF PACKERS AVE SERVICE ROAD. NOW ASSESSED BY STATE OF WISCONSIN

Parcel Numbers: 081031301013 and 081031301089
Zoning "IG" (Industrial General)
FID # 113004650

Introduction

This document is the Maintenance Plan for a cover at the above-referenced property (referred to herein as "Property," "Subject Property" or "Site") in accordance with the requirements of s. NR 724.13(2), Wisconsin Administrative Code. The maintenance activities relate to the existing cover occupying the area over the contaminated soil and/or contaminated groundwater underlying the Site.

More site-specific information about this property may be obtained from the following sources:

- The case file in the DNR's South Central Region office;
- At http://dnr.wi.gov/topic/Brownfields/wrrd.html, which includes:
  - BRRTS on the Web (DNR's internet based data base of contaminated sites) and the GIS Registry PDF file for Site-specific information at the time of closure and on continuing obligations;
  - RR Sites Map/GIS Registry layer for a map view of the Site; and
- The DNR project manager within Dane County for this location.

D.1 Descriptions:

Background

Prior to 1970, the Site was occupied by a combination of residential and commercial properties. Three gasoline filling/service stations were located on the Site between at least 1958 and 1967. From about 1970 to the present, the Site was asphalt paved and served as a parking lot.

Description of Contamination

Soil contaminated by petroleum-related volatile organic compounds (VOCs), polynuclear aromatic hydrocarbons (PAHs) and lead, is located at a depth of 3.5 to 12 feet, depending on location within the Property and contaminant analyzed. Groundwater contaminated by petroleum-related volatile organic compounds (VOCs) and polynuclear aromatic hydrocarbons (PAHs) is located at a depth of 3.3 to 7 feet, depending on location within the property and contaminant analyzed. Based upon the soil and groundwater investigation data summarized in the Case Closure Package, there is no evidence that contamination exceeding a soil and/or groundwater standard extends beyond the Site property boundary with respect to the investigation of the former filling (gasoline) stations.

The extent of this soil and groundwater contamination, and the extent of the capped area which needs to be maintained to prevent direct contact with the contaminated soil and prohibit groundwater infiltration are identified on Figure D2.

Description of the Cover to be Maintained

On the Site the cover to be maintained consists of approximately three to six (3-6) inches of asphalt plus underlying sandy gravel or unpaved clean soils. The existing asphalt parking lot will serve as a cover to prevent direct human contact with residual contamination that might otherwise pose a threat to human health, as well as to prohibit groundwater infiltration. The location of the cover that requires maintenance and inspection is depicted in the figure included in Section D.2 below. Photographs showing the condition and extent of the cover are provided in Section D.3 below.

Cover Purpose

The cover over the contaminated soil serves as a barrier to prevent the non-industrial direct contact pathway being completed, and also to prohibit groundwater infiltration. The existing asphalt paved barrier functions as a cap for the residual soil impacts.

Annual Inspection

The integrity of the asphalt paved surface cover will be inspected once a year, normally in the spring after all snow and ice is gone, for deterioration, cracks and other potential problems that can cause exposure to underlying soils. The inspections will be performed by the property owner or their designated representative. The inspections will be performed to evaluate damage due to settling, exposure to the weather, wear from traffic, increasing age and other factors. Any area where soils have become or are likely to become exposed will be documented.

A log of the inspections and any repairs will be maintained by the property owner and is included as D.4, Form 4400-305, *Continuing Obligations Inspection and Maintenance Log*. The log will include recommendations for necessary repair of any areas where underlying soils are exposed. Once completed, repairs will be documented in the inspection log. A copy of the maintenance plan and inspection log will be kept at the site; or, if there is no acceptable place (for example, no building is present) to keep it at the Site, at the address of the property owner and available for submittal or inspection by Wisconsin Department of Natural Resources (DNR) representatives upon their request.

Maintenance Activities

If problems are noted during the annual inspections or at any other time during the year, repairs will be scheduled as soon as practical. Repairs can include patching and filling or larger resurfacing or construction operations. In the event that necessary maintenance activities expose the underlying soil, the owner must inform maintenance workers of the potential exposure hazard and provide them with appropriate personal protection equipment (PPE). The owner must also sample any soil that is excavated from the Site prior to disposal to ascertain if contamination remains. The soil must be treated, stored, and disposed of by the owner in accordance with applicable local, state, and federal law.

In the event the cover overlying the impacted media are removed or replaced, the replacement cover should prevent the direct contact pathway from being completed and also prohibit groundwater infiltration. Any replacement cover will be subject to the same maintenance and inspection guidelines as outlined in this Maintenance Plan unless indicated otherwise by the DNR or its successor.

The Property owner, in order to maintain the integrity of the cover, will maintain a copy of this Maintenance Plan at the Site and make it available to all interested parties (i.e. on-site employees, contractors, future Property owners, etc.) for viewing.

Prohibition of Activities and Notification of DNR Prior to Actions Affecting a Cover or Cap

The following activities are prohibited on any portion of the property where pavement, a building foundation, soil cover, engineered cap or other barrier is required as shown on the attached map, unless prior written approval has been obtained from the Wisconsin Department of Natural Resources:

1. Removal of the existing cover;
2. Replacement with another cover;
3. Excavating or grading of the land surface;
4. Filling on capped or paved areas;
5. Plowing for agricultural cultivation; or
6. Construction or placement of a building or other structure.

Amendment or Withdrawal of Maintenance Plan

This Maintenance Plan can be amended or withdrawn by the Property owner and its successors with the written approval of DNR.

Contact Information

Site Owner and Operator:

910 Mayer, LLC
5485 County Road V
15 Reservoir Road
White Plains, NY 10603
(914) 719-6076
Contact: Robert Hassler

Signature: _____

Consultant:

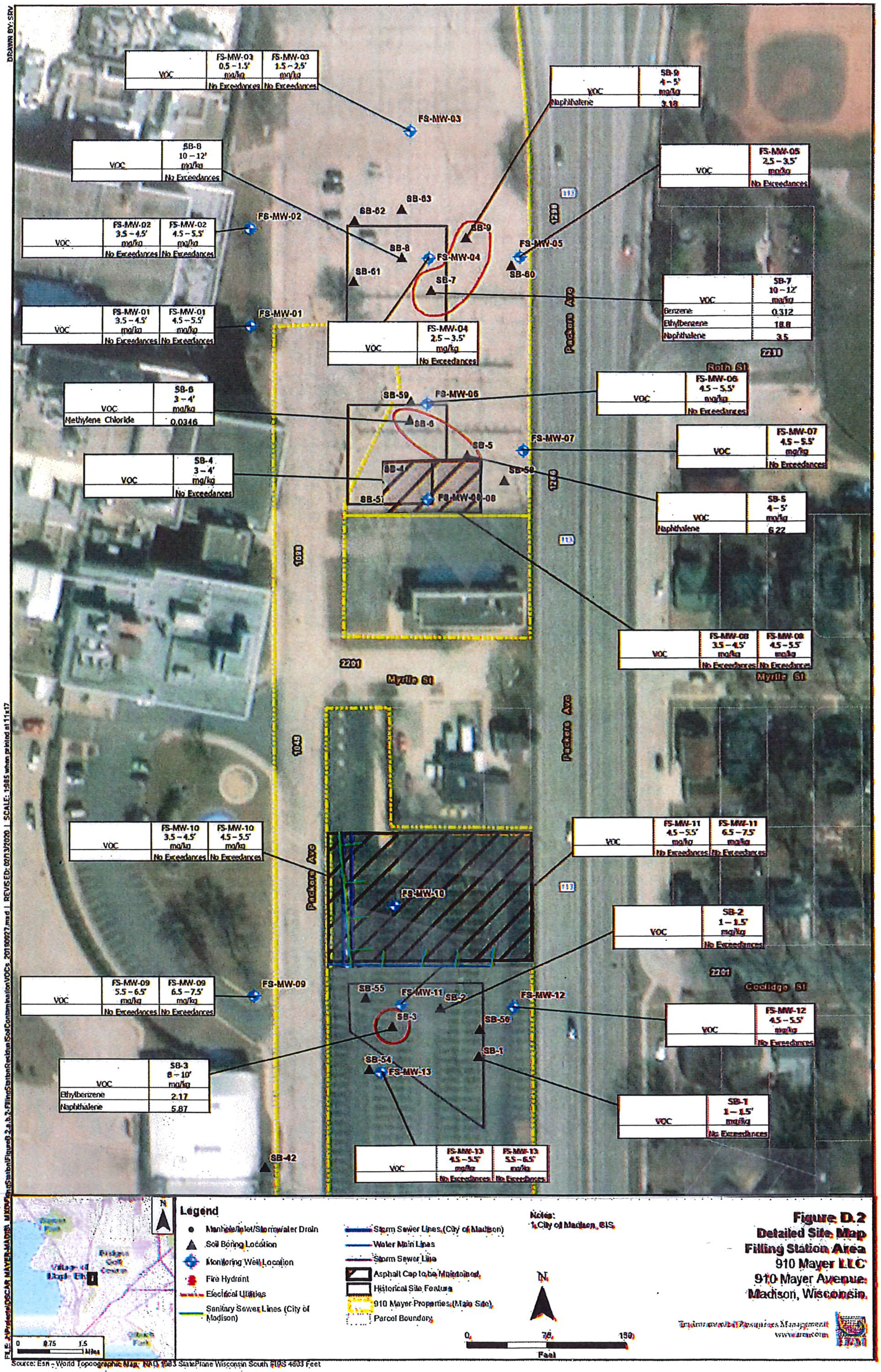
Environmental Resources Management
700 W. Virginia St. Suite 601
Milwaukee, WI 53204
(414) 977-4700
Contact: David De Courcy-Bower

DNR:

Michael Schmoller
3911 Fish Hatchery Rd.
Fitchburg, WI 53711
(608) 275-3303

D.2

Cover Map



FS-MW-03
VOC | FS-MW-03 0.5 – 1.5' mg/kg No Exceedances | FS-MW-03 1.5 – 2.5' mg/kg No Exceedances
SB-9 4 – 5' mg/kg VOC Naphthalene 3.18
SB-8 10 – 12' mg/kg VOC No Exceedances
FS-MW-05 2.5 – 3.5' mg/kg VOC No Exceedances
FS-MW-02 3.5 – 4.5' mg/kg FS-MW-02 4.5 – 5.5' mg/kg VOC No Exceedances No Exceedances
SB-7 10 – 12' mg/kg VOC Benzene 0.312 Ethylbenzene 18.8 Naphthalene 3.5
FS-MW-01 3.5 – 4.5' mg/kg FS-MW-01 4.5 – 5.5' mg/kg VOC No Exceedances No Exceedances
FS-MW-04 2.5 – 3.5' mg/kg VOC No Exceedances
FS-MW-06 4.5 – 5.5' mg/kg VOC No Exceedances
SB-6 3 – 4' mg/kg VOC Methylene Chloride 0.0346
FS-MW-07 4.5 – 5.5' mg/kg VOC No Exceedances
SB-4 3 – 4' mg/kg VOC No Exceedances
SB-5 4 – 5' mg/kg VOC Naphthalene 6.22
FS-MW-08 3.5 – 4.5' mg/kg FS-MW-08 4.5 – 5.5' mg/kg VOC No Exceedances No Exceedances
FS-MW-10 3.5 – 4.5' mg/kg FS-MW-10 4.5 – 5.5' mg/kg VOC No Exceedances No Exceedances
FS-MW-11 4.5 – 5.5' mg/kg FS-MW-11 6.5 – 7.5' mg/kg VOC No Exceedances No Exceedances
SB-2 1 – 1.5' mg/kg VOC No Exceedances
FS-MW-09 5.5 – 6.5' mg/kg FS-MW-09 6.5 – 7.5' mg/kg VOC No Exceedances No Exceedances
FS-MW-12 4.5 – 5.5' mg/kg VOC No Exceedances
SB-3 8 – 10' mg/kg VOC Ethylbenzene 2.17 Naphthalene 5.87
SB-1 1 – 1.5' mg/kg VOC No Exceedances
FS-MW-13 4.5 – 5.5' mg/kg FS-MW-13 5.5 – 6.5' mg/kg VOC No Exceedances No Exceedances
SB-62 SB-63 SB-8 SB-9 SB-61 SB-7 SB-60 SB-59 SB-6 SB-5 SB-4 SB-58 SB-57 SB-55 SB-2 SB-3 SB-56 SB-1 SB-54 SB-42
FS-MW-02 FS-MW-04 FS-MW-05 FS-MW-01 FS-MW-06 FS-MW-07 FS-MW-08 FS-MW-10 FS-MW-09 FS-MW-11 FS-MW-12 FS-MW-13
Packers Ave
Roth St
Myrtle St
Coolidge St
2201
Legend
Manhole/Inlet/Stormwater Drain
Soil Boring Location
Monitoring Well Location
Fire Hydrant
Electrical Utilities
Sanitary Sewer Lines (City of Madison)
Storm Sewer Lines (City of Madison)
Water Main Lines
Storm Sewer Line
Asphalt Cap to be Maintained
Historical Site Feature
910 Mayer Properties (Main Site)
Parcel Boundary
Notes:
1. City of Madison, GIS
0 75 150
Feet
Figure D.2
Detailed Site Map
Filling Station Area
910 Mayer LLC
910 Mayer Avenue
Madison, Wisconsin
Environmental Resources Management
www.erm.com
ERM
DRAWN BY: SRV
Source: Esri - World Topographic Map; NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet

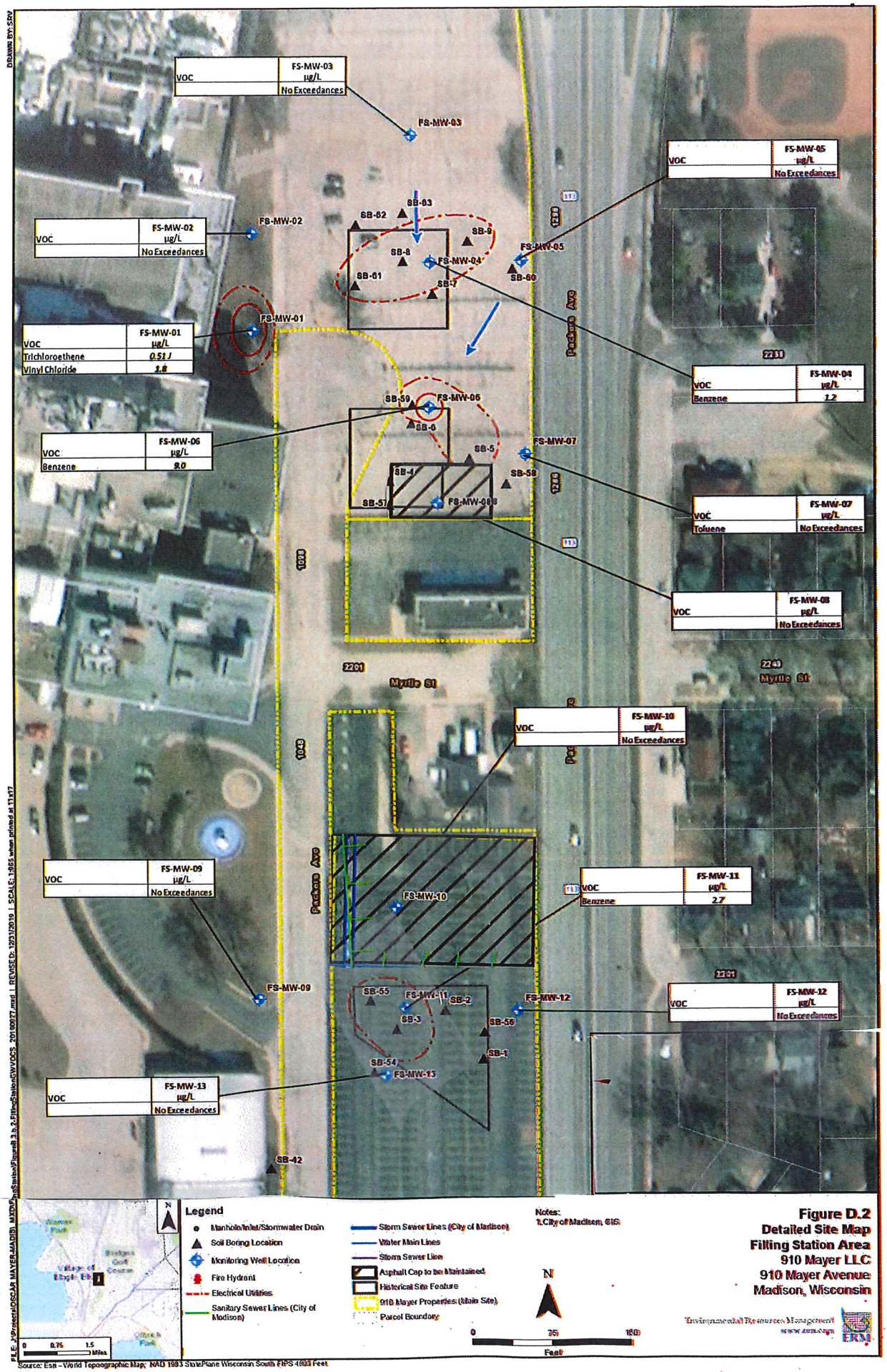


Figure D.2
Detailed Site Map
Filling Station Area
910 Mayer LLC
910 Mayer Avenue
Madison, Wisconsin

Environmental Resources Management
ERM

DRAWN BY: SRV

FS-MW-03
SB-63
SB-62
FS-MW-02
SB-9
SB-8
FS-MW-04
FS-MW-05
SB-61
SB-7
SB-60
FS-MW-01
SB-59
FS-MW-06
SB-6
FS-MW-07
SB-5
SB-4
SB-58
SB-57
FS-MW-08
FS-MW-10
FS-MW-09
SB-55
FS-MW-11
SB-2
FS-MW-12
SB-3
SB-56
SB-1
SB-54
FS-MW-13
SB-42

Packers Ave
Roth St
Myrtle St
Coolidge St
1298
1286
1098
1048
2298
2201
2249
2201
113

Legend
- Manhole/Inlet/Stormwater Drain
- Soil Boring Location
- Monitoring Well Location
- Fire Hydrant
- Electrical Utilities
- Sanitary Sewer Lines (City of Madison)
- Storm Sewer Lines (City of Madison)
- Water Main Lines
- Storm Sewer Line
- Asphalt Cap to be Maintained
- Historical Site Feature
- 910 Mayer Properties (Main Site)
- Parcel Boundary

Notes:
1.City of Madison, GIS

N

0 75 150
Feet

0 0.75 1.5 Miles

Source: Esri - World Topoographic Map; NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet

Figure D.2
Detailed Site Map
Filling Station Area
910 Mayer LLC
910 Mayer Avenue
Madison, Wisconsin

Environmental Resources Management
www.erm.com
ERM

FILE: J:\Projects\OSCAR MAYER-MADISI\ MXD\FigureD.2-AsphaltCapDetailedSiteMap_20200214.mxd | REVISED: 02/14/2020 | SCALE: 1:965 when printed at 11x17

D.3

Cover Photographs

Photo No. 1 Northern Cap 910 Mayer looking north to Asphalt Parking Lot (newer asphalt where the cars are parked)

Photo No. 2 Southern Cap 910 Mayer looking north to adjacent property

Photo No. 3 Southern Cap 910 Mayer looking South into Asphalt Parking Lot

D.4

Continuing Obligations Inspection

And

Maintenance Log

State of Wisconsin
Department of Natural Resources
dnr.wi.gov

Continuing Obligations Inspection and Maintenance Log

Form 4400-305 (2/14)

Directions: In accordance with s. NR 727.05 (1) (b) 3., Wis. Adm. Code, use of this form for documenting the inspections and maintenance of certain continuing obligations is required. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records law [ss. 19.31-19.39, Wis. Stats.]. When using this form, identify the condition that is being inspected. See the closure approval letter for this site for requirements regarding the submittal of this form to the Department of Natural Resources. A copy of this inspection log is required to be maintained either on the property, or at a location specified in the closure approval letter. Do NOT delete previous inspection results. This form was developed to provide a continuous history of site inspection results. The Department of Natural Resources project manager is identified in the closure letter. The project manager may also be identified from the database, BRRTS on the Web, at http://dnr.wi.gov/botw/SetUpBasicSearchForm.do, by searching for the site using the BRRTS ID number, and then looking in the "Who" section.

Activity (Site) Name

BRRTS No.

Inspections are required to be conducted (see closure approval letter):

○ annually
○ semi-annually
○ other – specify ____________________

When submittal of this form is required, submit the form electronically to the DNR project manager. An electronic version of this filled out form, or a scanned version may be sent to the following email address (see closure approval letter):

Inspection Date	Inspector Name	Item	Describe the condition of the item that is being inspected	Recommendations for repair or maintenance	Previous recommendations implemented?	Photographs taken and attached?
		☐ monitoring well ☐ cover/barrier ☐ vapor mitigation system ☐ other:			○ Y ○ N	○ Y ○ N
		☐ monitoring well ☐ cover/barrier ☐ vapor mitigation system ☐ other:			○ Y ○ N	○ Y ○ N
		☐ monitoring well ☐ cover/barrier ☐ vapor mitigation system ☐ other:			○ Y ○ N	○ Y ○ N
		☐ monitoring well ☐ cover/barrier ☐ vapor mitigation system ☐ other:			○ Y ○ N	○ Y ○ N
		☐ monitoring well ☐ cover/barrier ☐ vapor mitigation system ☐ other:			○ Y ○ N	○ Y ○ N
		☐ monitoring well ☐ cover/barrier ☐ vapor mitigation system ☐ other:			○ Y ○ N	○ Y ○ N

BRRTS No. Activity (Site) Name

Continuing Obligations Inspection and Maintenance Log

{Click to Add/Edit Image} Date added:

Title:

{Click to Add/Edit Image} Date added:

Title:

ATTACHMENT E

MONITORING WELL INFORMATION

All monitoring wells have been located and will be properly abandoned upon the DNR granting conditional closure to the site.

ATTACHMENT F

SOURCE LEGAL DOCUMENTS

F.1 Deed

See attached

WARRANTY DEED

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5534169
10/24/2019 01:58 PM
Trans Fee: 416.40
Exempt #:
Rec. Fee: 30.00
Pages: 6

This Deed, made between **910 Mayer, LLC, a Wisconsin limited liability company**
Grantor
and
OM Land, LLC, a Wisconsin limited liability company
Grantee,

Grantor, for a valuable consideration, conveys to Grantee the following described real estate in **Dane** County, State of Wisconsin:

See Attached Exhibit A- Legal Description

RETURN TO:
OM Land, LLC
21 Locust Ave., Suite 1
Mill Valley, CA 94941

Tax Parcel No. See Exhibit A

Together with all and singular the hereditaments and appurtenances thereunto belonging; and 910 Mayer, LLC warrants that the title is good, indefeasible in fee simple and free and clear of encumbrances except municipal and zoning ordinances and agreements entered under them, recorded easements for the distribution of utility and municipal services, recorded building and use restrictions and covenants, and general taxes for 2019.

Dated: 10/23/, **2019**

910 Mayer, LLC, a Wisconsin limited liability company
By: Reich Bros, LLC, a Delaware limited liability company, its Manager

By: See Attached
Name: Adam Reich
Title: Co-CEO

By: Rabin Management Company, LLC, a California limited liability company, its Manager

By: Da R
Name: Daniel Rabin
Title: Manager

ACKNOWLEDGEMENT

State of _____
_____ County SS:
Personally came before me this _____ day of _____, 20__ the above named **Adam Reich, Co-CEO of Reich Bros, LLC, Manager of 910 Mayer, LLC** to me known to be the person who executed the foregoing instrument and acknowledge the same.

_____
Notary Public
My Commission expires:

ACKNOWLEDGEMENT

State of California
Marin County SS:
Personally came before me this 23rd day of October, 2019 the above named **Daniel Rabin, Manager of Rabin Management Company, LLC, Manager of 910 Mayer, LLC** to me known to be the person who executed the foregoing instrument and acknowledge the same.

_____
Notary Public
My Commission expires: 10/2/2021

IRINA OKUN
COMM. # 2213165
NOTARY PUBLIC • CALIFORNIA
MARIN COUNTY
Comm. Exp. OCT. 2, 2021

THIS INSTRUMENT WAS DRAFTED BY: K. Marshall,
VP of Asset Management for Rabin Management Company, LLC

First American Title-NCS Madison
NCS-972022 MAD

WARRANTY DEED

This Deed, made between **910 Mayer, LLC, a Wisconsin limited liability company**
Grantor
and
OM Land, LLC, a Wisconsin limited liability company
Grantee,

Grantor, for a valuable consideration, conveys to Grantee the following described real estate in **Dane** County, State of Wisconsin:

See Attached Exhibit A- Legal Description

RETURN TO:
OM Land, LLC
21 Locust Ave., Suite 1
Mill Valley, CA 94941

Tax Parcel No. See Exhibit A

Together with all and singular the hereditaments and appurtenances thereunto belonging; and 910 Mayer, LLC warrants that the title is good, indefeasible in fee simple and free and clear of encumbrances except municipal and zoning ordinances and agreements entered under them, recorded easements for the distribution of utility and municipal services, recorded building and use restrictions and covenants, and general taxes for 2019.

Dated: 10/23, **2019**

910 Mayer, LLC, a Wisconsin limited liability company
By: Reich Bros, LLC, a Delaware limited liability company, its Manager

By:_____
Name: Adam Reich
Title: Co-CEO

By: Rabin Management Company, LLC, a California limited liability company, its Manager

By:_____
Name: Daniel Rabin
Title: Manager

ACKNOWLEDGEMENT

State of _____
_____ County SS:
Personally came before me this _____ day of _____, 20__ the above named **Adam Reich, Co-CEO of Reich Bros, LLC, Manager of 910 Mayer, LLC** to me known to be the person who executed the foregoing instrument and acknowledge the same.

_____

Notary Public
My Commission expires: 5/2

ACKNOWLEDGEMENT

State of _____
_____ County SS:
Personally came before me this _____ day of _____, 20__ the above named **Daniel Rabin, Manager of Rabin Management Company, LLC, Manager of 910 Mayer, LLC** to me known to be the person who executed the foregoing instrument and acknowledge the same.

_____

Notary Public
My Commission expires: _____

THIS INSTRUMENT WAS DRAFTED BY: K. Marshall,
VP of Asset Management for Rabin Management Company, LLC

A Notary Public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of the document.

STATE OF CALIFORNIA

COUNTY OF Los Angeles } SS

On 10/23/2019, Before Me Loretta Gandhi, Notary Public

(Insert Name of Notary Public and Title)

Personally appeared Adam Reich, Co-Ceo Reich Bros LLC, Manager 910 Mayer LLC who proved to me on the basis of satisfactory evidence, to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

LORETTA GANDHI
Notary Public - California
Los Angeles County
Commission # 2238672
My Comm. Expires May 17, 2022

(NOTARY SEAL)

Notary Signature

Exhibit A- Legal Description

1010 NORTH STREET

(A) ALL THAT PART OF THE SOUTHEAST ¼ OF SECTION 31, TOWNSHIP 8 NORTH, RANGE 10 EAST, IN THE CITY OF MADISON, DANE COUNTY, WISCONSIN, WHICH IS BOUNDED BY LANDS CONVEYED TO THE CITY OF MADISON IN VOLUME 800 OF DEEDS, PAGE 592, AS DOCUMENT NO. 1133435 AND VOLUME 800 OF DEEDS, PAGE 583, AS DOCUMENT NO 1133430, ON THE NORTH AND EAST, BY NORTH LINE OF FIRST ADDITION TO JOHN W. TILTON SUBDIVISION ON THE SOUTH, AND EAST LINE OF PLAT OF WOODLAND ON THE WEST.

(B) PART OF OUTLOT TWO (2), WOODLAND, IN THE CITY OF MADISON, DANE COUNTY, WISCONSIN, MORE FULLY DESCRIBED AS FOLLOWS: BEGINNING AT THE NORTHEAST CORNER OF SAID OUTLOT; THENCE WEST 70.4 FEET, ALONG THE NORTH LINE OF SAID OUTLOT; THENCE ALONG A CURVE TO THE LEFT CONVEX TO THE NORTHWEST HAVING A RADIUS OF 87 FEET AND A LONG CHORD THAT BEARS SOUTH 19° 48' WEST17 FEET; THENCE ALONG A CURVE TO THE LEFT CONVEX TO THE NORTHWEST HAVING A RADIUS OF 703.2 FEET AND A LONG CHORD THAT BEARS SOUTH 14° 12' WEST 226.2 FEET; THENCE SOUTH 4° 56' WEST 168.53 FEET TO THE NORTH LINE OF THE SOUTH 111 FEET OF SAID OUTLOT; THENCE EAST ALONG THE NORTH LINE OF SAID SOUTH 111 FEET TO POINT ON THE EAST LINE OF SAID OUTLOT; THENCE NORTH ALONG SAID EAST LINE TO THE POINT OF THE BEGINNING.

(C) PART OF VACATED MACKIN STREET, IN THE PLAT OF WOODLAND AND PART OF THE NORTHWEST ¼ OF THE SOUTHEAST ¼, ALL IN SECTION 31, TOWNSHIP 8 NORTH, RANGE 10 EAST, IN THE CITY OF MADISON, DANE COUNTY, WISCONSIN, MORE FULLY DESCRIBED AS FOLLOWS: BEGINNING AT A POINT ON THE EAST LINE OF SAID PLAT 9.1 FEET SOUTH OF THE NORTHEAST CORNER THEREOF; THENCE CONTINUE SOUTH, ALONG SAID EAST LINE 23.9 FEET TO THE SOUTHEAST CORNER OF VACATED MACKIN STREET IN SAID PLAT; THENCE WEST, ALONG THE SOUTH LINE OF SAID STREET, 70.4 FEET; THENCE ALONG A CURVE TO THE RIGHT CONVEX TO THE NORTHWEST HAVING A RADIUS OF 87 FEET TO A POINT OF INTERSECTION WITH A LINE BEARING NORTH 51°11' WEST FROM THE POINT OF BEGINNING; THENCE SOUTH 51° 11' EAST ALONG THE SOUTHWEST RIGHT OF WAY ABERG AVENUE TO THE POINT OF BEGINNING.

(D) PART OF VACATED MACKIN STREET, IN THE PLAT OF WOODLAND, IN THE CITY OF MADISON, DANE COUNTY, WISCONSIN, MORE FULLY DESCRIBED AS FOLLOWS: BEGINNING AT THE NORTHEAST CORNER OF SAID VACATED STREET; THENCE SOUTH, ALONG THE EAST LINE OF SAID PLAT, 9.1 FEET; THENCE NORTH 55° 11' WEST TO THE NORTH LINE OF SAID PLAT; THENCE EAST, ALONG SAID NORTH LINE TO POINT OF BEGINNING.

(E) LOT EIGHT (8), AND THE WEST ½ OF LOT NINE (9), BLOCK THREE (3), WOODLAND, IN THE CITY OF MADISON, DANE COUNTY, WISCONSIN.

(F) LOT TEN (10), AND THE EAST ½ OF LOT NINE (9), BLOCK THREE (3), WODDLAND, IN THE CITY OF MADISON, DANE COUNTY, WISCONSIN.

TAX ID NO: 251/0810-314-0121-9

1126 HUXLEY

PART OF OUTLOT ONE (1), BURKE ASSESSOR'S PLAT NO. 1, IN THE CITY OF MADISON, DANE COUNTY, WISCONSIN, DESCRIBED AS FOLLOWS: BEGINNING AT THE POINT WHICH IS SOUTH 89° 55' EAST 1240.5 FEET AND SOUTH 10° 17' EAST 530 FEET FROM THE NORTHWEST CORNER OF THE SOUTHWEST ¼ OF SECTION 31, TOWNSHIP 8 NORTH, RANGE 10 EAST, THENCE NORTH 89° 55' WEST A DISTANCE OF 33 FEET TO THE POINT OF BEGINNING; THENCE NORTH 89° 55' WEST 196.2 FEET; THENCE SOUTH 0° 30' EAST 536.2 FEET; THENCE SOUTH 89° 42' EAST ALONG ROTH AVENUE 100 FEET; THENCE NORTH 10° 10' EAST ALONG HUXLEY STREET 560.9 FEET TO THE POINT OF BEGINNING, EXCEPT THAT PART CONVEYED TO CITY OF MADISON AS SET FORTH IN VOL. 801 OF DEEDS, PAGE 290, DOCUMENT NO. 1134180.

TAX ID NO: 251/0810-313-0084-1

1201 HUXLEY

(A) LOT TWO (2), CERTIFIED SURVEY MAP NO. 3949, RECORDED AUGUST 2, 1982, VOLUME 16 OF CERTIFIED SURVEYS, PAGE 214 AS DOCUMENT NO. 1747445, CITY OF MADISON, DANE COUNTY, WISCONSIN. (BEING A DIVISION OF PARCEL "A" OF CERTIFIED SURVEY MAP NO. 325 RECORDED IN THE DANE COUNTY REGISTER OF DEEDS OFFICE IN VOLUME 2 OF CERTIFIED SURVEY MAPS, PAGE 77, AS DOCUMENT NO. 1256147, IN THE CITY OF MADISON, DANE COUNTY, WISCONSIN.)

(B) OUTLOT THREE (3), BURKE ASSESSOR'S PLAT NO. 1, IN THE CITY OF MADISON, DANE COUNTY, WISCONSIN.

(C) THAT PART OF HUXLEY STREET LYING WESTERLY OF THE WESTERLY LINE OF OUTLOT THREE (3), BURKE ASSESSOR'S PLAT NO. 1, IN THE CITY OF MADISON, DANE COUNTY, WISCONSIN, AND THE EASTERLY LINE OF THE PRESENT HUXLEY STREET AS DESCRIBED IN VOLUME 812 OF DEEDS, PAGE 66, DOCUMENT NO. 1151415.

TAX ID NO: 251/0810-313-0403-3

1910 ROTH ST

OUTLOT TWO (2) BURKE ASSESSOR'S PLAT NO. 1, IN THE CITY OF MADISON, DANE COUNTY, WISCONSIN, EXCEPT THAT PART CONVEYED TO CITY OF MADISON AS SET FORTH IN VOLUME 801 OF DEEDS, PAGE 290, DOCUMENT NO. 1134180.

TAX ID NO: 251/0810-313-0404-1

F.2 Certified Survey Map

No Certified Survey Map is available – see attached Plat Map.

Parcel Number - 251/0810-313-0101-3

Current

This Parcel is in the City of Madison. For additional information, please visit the City of Madison website.

Parcel Parents

Summary Report

Parcel Summary — More +

Municipality Name	CITY OF MADISON
Parcel Description	T8N R10E, SEC 31, PART E 1/2 SW 1/4 & PA...
Owner Name	910 MAYER LLC
Primary Address	910 OSCAR AVE
Billing Address	21 LOCUST AVE STE 1 MILL VALLEY CA 94941

Assessment Summary — More +

Assessment Year	**2019**
Valuation Classification	G3
Assessment Acres	0.000
Land Value	$1,034,000.00
Improved Value	$1,090,000.00
Total Value	$2,124,000.00

Show Valuation Breakout

Show Assessment Contact Information

Zoning Information

Contact your local city, village or town office for municipal zoning information.

District Information

Type	**State Code**	**Description**
REGULAR SCHOOL	3269	MADISON METRO SCHOOL DIST
TECHNICAL COLLEGE	0400	MADISON TECH COLLEGE

Parcel Maps

DCiMap | Google Map | Bing Map

Tax Information

⚠ This Tax Information and Payment data comes directly from the City of Madison.

Please contact the City Treasurer's Office with questions, treasurer@cityofmadison.com or (608) 266-4771. Please click here to check the City of Madison's site for this parcel.

E-Statement | E-Bill | E-Receipt | Pay Taxes Online

« ‹ Newer Older › »

Tax Year 2019		
Assessed Land Value	**Assessed Improvement Value**	**Total Assessed Value**
$1,034,000.00	$1,090,000.00	$2,124,000.00
Taxes:		$47,909.29
Lottery Credit(-):		$0.00
First Dollar Credit(-):		$78.80
Specials(+):		$0.00
Amount:		$47,830.49
2019 Tax Info Details		Tax Payment History

Recorded Documents

No recorded documents found.

DocLink

DocLink is a feature that connects this property to recorded documents. If you'd like to use DocLink, all you need to do is select a link in this section. There is a fee that will require either a credit card or user account. Click here for instructions.

By Parcel Number: 0810-313-0101-3

PLEASE TURN OFF YOUR POP UP BLOCKER TO VIEW DOCLINK DOCUMENTS. If you're unsure how to do this, please contact your IT support staff for assistance. You will be unable to view any documents purchased if your pop up blocker is on.

Parcel Number - 251/0810-313-0108-9

Current

This Parcel is in the City of Madison. For additional information, please visit the City of Madison website.

Parcel Parents

Summary Report

Parcel Summary — More +

Municipality Name	CITY OF MADISON
Parcel Description	T8N R10E, SEC 31, PART E 1/2 SW 1/4 & PA...
Owner Name	910 MAYER LLC
Primary Address	2150 COMMERCIAL AVE
Billing Address	21 LOCUST AVE STE 1 MILL VALLEY CA 94941

Assessment Summary — More +

Assessment Year	**2019**
Valuation Classification	G3
Assessment Acres	0.000
Land Value	$90,800.00
Improved Value	$100.00
Total Value	$90,900.00

Show Valuation Breakout

Show Assessment Contact Information

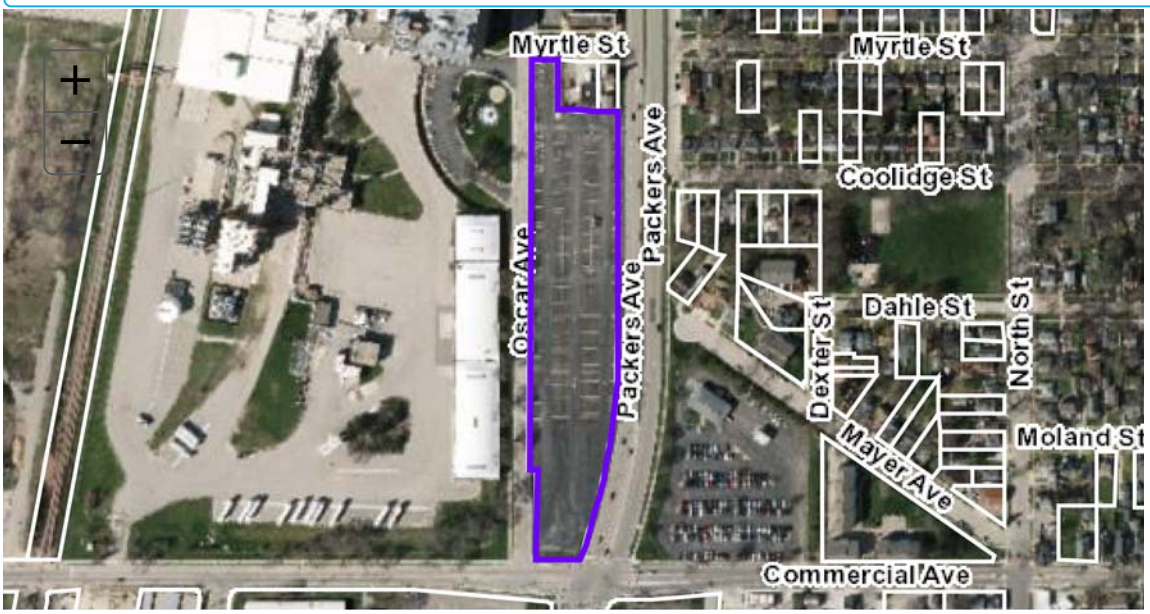
Zoning Information

Contact your local city, village or town office for municipal zoning information.

District Information

Type	State Code	Description
REGULAR SCHOOL	3269	MADISON METRO SCHOOL DIST
TECHNICAL COLLEGE	0400	MADISON TECH COLLEGE

Parcel Maps



DCiMap | Google Map | Bing Map

Tax Information

⚠ This Tax Information and Payment data comes directly from the City of Madison.

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E-Statement | E-Bill | E-Receipt | Pay Taxes Online

« ‹ Newer Older › »

Tax Year 2019		
Assessed Land Value	**Assessed Improvement Value**	**Total Assessed Value**
$90,800.00	$100.00	$90,900.00
Taxes:		$2,050.36
Lottery Credit(-):		$0.00
First Dollar Credit(-):		$78.80
Specials(+):		$0.00
Amount:		$1,971.56
2019 Tax Info Details		Tax Payment History

Recorded Documents

No recorded documents found.

DocLink

DocLink is a feature that connects this property to recorded documents. If you'd like to use DocLink, all you need to do is select a link in this section. There is a fee that will require either a credit card or user account. Click here for instructions.

By Parcel Number: 0810-313-0108-9

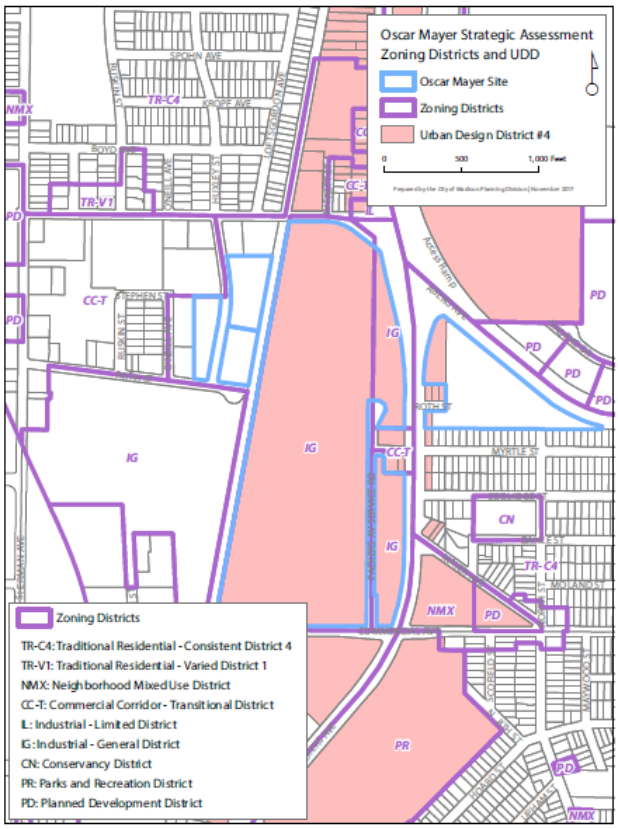
PLEASE TURN OFF YOUR POP UP BLOCKER TO VIEW DOCLINK DOCUMENTS. If you're unsure how to do this, please contact your IT support staff for assistance. You will be unable to view any documents purchased if your pop up blocker is on.

F.3 Verification of Zoning

See attached

ZONING OF OSCAR MAYER AREA

ZONING MAP



IG (INDUSTRIAL GENERAL) DISTRICT - EXCERPTS FROM THE ZONING CODE

28.89 INDUSTRIAL - GENERAL DISTRICT.

(1) Statement of Purpose.

This district accommodates areas of heavy and concentrated fabrication, manufacturing and industrial uses. It is the intent of this district to provide an environment for industries that is unencumbered by nearby residential or commercial development. General Industrial districts should be located for convenient access for existing and future arterial thoroughfares and railway lines and may be separated from residential areas by business or light industry areas or by natural barriers; where they are adjacent to residential areas some type of artificial separation may be required.

The IG district is also intended to:

(a) Provide a variety of flexible sites for small, local or start-up businesses, as well as sites for large national or regional enterprises.

(b) Discourage proliferation of highway-oriented commercial uses that reduce the land area available for development or expansion of employment uses.

Source: https://www.cityofmadison.com/dpced/planning/documents/Zoning_Map_and_IG_Use_Table.pdf
Downloaded 16August 2019

(c) Facilitate preservation, development or redevelopment consistent with the adopted goals, objectives, policies, and recommendations of the Comprehensive Plan and adopted neighborhood, corridor or special area plans.

(2) Permitted and Conditional Uses.
See Table 28F-1 for a complete list of allowed uses within the employment districts.

28.82 EMPLOYMENT DISTRICT USES.

(1) Table 28F-1 lists all permitted and conditional uses in the employment districts.
(a) "P" means permitted in the districts where designated.
(b) "C" means allowed as conditional uses in the districts where designated, in compliance with all applicable standards.
(c) "P/C" means permitted or conditional, depending on specific requirements in Supplemental Regulations, Subchapter 28J, as specified.
(d) "Y" means that there are specific requirements in Subchapter 28J associated with a use.

Table 28F-1.

	IG	**Supplemental Regulations**
Artist, photographer studio, etc.	P	
Insurance office, real estate office, sales office	P	
Professional office, general office	P	
Artisan workshop	P	
Bakery, wholesale	P	
Bottling plant	P	
Contractor's yard	P	Y
Distilleries	C	
Junkyard	C	Y
Laboratories - research, development and testing	P	Y
Limited production and processing	P	
Mail order house	P	
Printing and publishing	P	
Recycling collection center, drop-off station	P	
Storage facility, personal indoor storage	C	Y
Telecommunication center	P	
Warehousing and storage	P	
Wineries	P	
Wholesale establishment	P	
Asphalt, concrete batching or ready-mix plant	C	
Brewery	P	
Concrete, asphalt and rock crushing facility	C	Y

General manufacturing	P	
Hazardous waste collection, storage or transfer	C	
Landfill	C	
Light manufacturing	P	
Lumberyard	P	
Railroad right-of-way	P	
Recycling center	P	
Waste transfer station	C	
Class 2 Collocations	P	
Electric power production and/or heating and cooling plant	P	
Electric substations	P	Y
Gas regulator stations, mixing and gate stations	P	Y
Radio Broadcast Service Facility	P	
Sewerage system lift stations	P	Y
Telecommunications towers, Class 1 Collocations, and transmission equipment buildings	P	
Water pumping stations, municipal wells	P	
Water towers and reservoirs	C	
Bus or railroad passenger depot	C	
Motor freight terminal	P	
Private ambulance service	P	
Railroad or intermodal freight yard	P	
Railroad transfer and storage tracks	P	
Railroad yard or shop	P	
Taxi or limousine business	P	
Transit station, transfer point	P	
Clinic - Health		
Hospital		Y
Medical laboratory	P	
Physical, occupational or massage therapy		
Veterinary clinic, animal hospital		Y
General retail	C	Y
Animal boarding facility, kennel, animal shelter	C	Y
Animal day care	C	Y
ATM	P	
Auction rooms	C	
Bank, financial institution		
Building materials sales	C	
Business equipment sales and services	P	
Contractor’s business with showroom or workshop	P	Y
Dry cleaning plant, commercial laundry	P	
Farmers’ market		Y
Food and related goods sales		
Garden center,		
Greenhouse, nursery	P	
Handgun sales	P	
Machinery equipment sales and service	P	

Mobile grocery store	P	Y
Package delivery service	P	
Photocopying	P	
Post office		
Service business	C	Y
Small appliance repair	P	
Brewpub	C	
Catering	P	
Coffee shop, tea house	C	
Nightclub	C	Y
Restaurant	C	
Restaurant-nightclub	P/C	Y
Restaurant-tavern	C	Y
Tavern	C	Y
Health/sports club		
Hotel, inn, motel		
Indoor recreation		
Lodge, private club, reception hall		Y
Outdoor recreation	C	Y
Theater, Assembly Hall, Concert Hall		
Tourist rooming house		Y
Adult entertainment establishment	P	Y
Adult entertainment tavern	P	Y
Auto body shop	P	Y
Auto service station, convenience store		Y
Auto repair station	P	Y
Auto rental		Y
Car wash		Y
Heavy-traffic vehicle sales	P	
Motorcycle and moped sales	P	
Motor vehicle salvage yard, scrap yard	C	Y
Parking exceeding maximum parking	C	
Parking facility, private	C	
Parking facility, public	P	
Storage locker (personal)	P	Y
Dwelling units in mixed-use buildings		Y
Live/work unit		Y
Multi-family dwelling		Y
Residential building complex		Y
Single-family attached dwelling (> 8 dwelling units)		Y
Assisted living facility, congregate care facility, skilled nursing facility		Y
Cohousing Community		Y
Community living arrangement (> 8 residents)		Y
Daytime shelter		Y
Housing cooperative		Y
Mission house		Y

Archival facilities, publicly-owned	P	
Colleges and universities		
Community Event	P/C	Y
Counseling, community services organization		
Day care center	C	Y
Library, museum		
Parks and playgrounds	P	
Place of worship		Y
Public safety or service facilities	P	
Recreation, community, and neighborhood centers		
Schools, arts, technical or trade	C	Y
Schools, public and private		Y
Training facilities, military or public safety	C	
Agriculture - Animal husbandry	P	
Agriculture - Cultivation	P	
Community garden	P	
Keeping of chickens	P	Y
Keeping of honeybees	P	Y
Market garden	C	Y
Accessory building and structures	P/C	Y
Accessory mission house		Y
Accessory retail alcohol sales	P	
Caretaker's dwelling	P	Y
Composting	P	
Day care home, family		Y
Emergency electric generator	P	
Farmers' market	P	Y
Furniture and household goods sales		
Heliport	P	
Home occupation		Y
Indoor recreation		
Keeping of chickens	P	Y
Outdoor display	C	Y
Outdoor cooking operation	P/C	Y
Outdoor eating area associated with food & beverage establishment	C	Y
Outdoor recreation	C	Y
Outdoor storage	P	Y
Parking of trucks and heavy equipment accessory to an allowed use	P	
Portable storage units		Y
Showroom accessory to allowed use	P	
Solar energy systems	P	Y
Temporary buildings for storage of construction materials and equipment	P	Y
Temporary outdoor events	P/C	Y
Towing and wrecker service business	P	Y

Vehicle access sales and service windows	P	Y
Walk-up service windows	P/C	Y
Wind energy systems	C	Y

F.4 Signed Statement

See attached

F.4 Signed Statement of Responsible Party

I hereby certify that, to the best of my knowledge, the attached legal descriptions accurately describes the contaminated properties that are the subject of this Closure Request, including all areas of residual soil and groundwater contamination, all prior and existing groundwater monitoring wells, and all asphalt cover barriers relied on for the purposes of closure.

Signed: _____ Date: 4/15/20

Name: Robert W. Hassler

910 Mayer LLC
910 Mayer Avenue
Madison, WI 53704

ATTACHMENT G

NOTIFICATION TO OWNERS

No indication of contamination exists beyond property boundaries. Therefore, no notification was made to off-site property owners under this case closure.